

PCI CARD DIGITAL VIDEO RECORDER

INSTRUCTION MANUAL

English Version 2.0



QLR460 SERIES



www.lorextechnology.com

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Thank you for purchasing this product. Lorex is committed to providing our customers with a high quality, reliable security solution.

This manual refers to the following model(s):

- QLR460 (4-Channel)
- QLR1670 Series (16-Channel)

For more information on this product, firmware updates, and accessory products, please visit us at:

www.lorextechnology.com



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER. NO USER SERVICABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products' enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF THE PLUG TO THE WIDE SLOT AND FULLY INSERT.

NEED HELP?

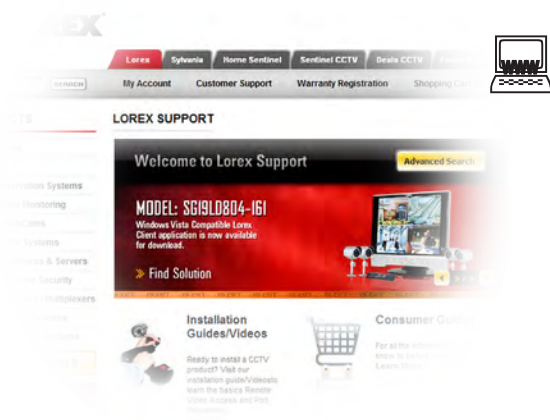


CONTACT US FIRST

DO NOT RETURN THIS PRODUCT TO THE STORE

Please make sure to register your product at www.lorextechnology.com to receive product updates and information

3 EASY WAYS TO CONTACT US:



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Product Support is available 24/7 including product information, user manuals, quick start up guides and FAQ's at www.lorextechnology.com/support

To order accessories, visit www.lorextechnology.com



By Email:

Technical Support (for technical/installation issues)
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Customer Care (for warranty and accessory sales)
customerservice@lorexcorp.com

Customer Feedback
info@lorexcorp.com



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(Example: From the UK, dial 00 instead of +)





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support@lorexcctv.com

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servicio al cliente (respecto a la garantía y a la venta de accesorios)

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Comentarios de cliente

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INTERNACIONAL: +800-425-6739-0

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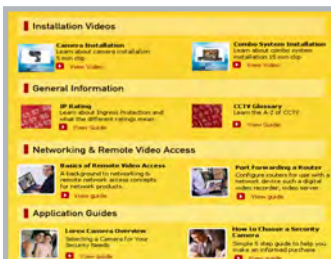
BEFORE YOU START

THIS PRODUCT MAY REQUIRE PROFESSIONAL INSTALLATION

LOREX IS COMMITTED TO FULFILLING YOUR SECURITY NEEDS



- We have developed user friendly products and documentation. Please read the Quick Start Guide and User Manual before you install this product.



- Consumer Guides and Video Tutorials are available on our web site at www.lorextechnology.com/support



- If you require further installation assistance, please visit www.lorextechnology.com/installation or contact a professional installer.



- Please refer to the “Need Help” insert for technical support and customer care information.



- Please note that once the components of this product have been unsealed, you cannot return this product directly to the store without the original packaging.

AVANT DE COMMENCER

CE PRODUIT POURRAIT EXIGER UNE INSTALLATION PROFESSIONNELLE

LOREX S'ENGAGE À SATISFAIRE VOS BESOINS SÉCURITAIRES

- Veuillez lire le guide de démarrage rapide et le mode d'emploi avant d'installer ce produit.
- Les guides du consommateur et les séances de tutorat vidéo sont disponibles sur l'Internet en visitant www.lorextechnology.com/support
- Si vous avez besoin de l'aide pour l'installation, veuillez visiter www.lorextechnology.com/installation ou contactez un spécialiste en installation
- Veuillez référer à l'insert "Need Help" pour obtenir de l'information sur le service à la clientèle et le support technique
- Veuillez constater qu'une fois que les composants de ce produit ont été retirés de l'emballage, vous ne pourrez plus retourner ce produit directement au magasin.

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ESTE PRODUCTO PUEDE EXIGIR UNA INSTALACIÓN PROFESIONAL

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- Favor de leer la guía de instalación rápida y la guía del usuario antes de instalar este producto.
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- Si necesita ayuda para la instalación, visite www.lorextechnology.com/installation o contacte un especialista en instalaciones
- Favor de referir al documento "Need Help" para obtener información acerca del servicio al cliente y al soporte técnico
- Favor de notar que una vez que los componentes de este producto han sido removidos del embalaje, no podrá devolver este producto directamente a la tienda






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April 27 2010 R3

Important Safeguards

In addition to the careful attention devoted to quality standards in the manufacturing process of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operating and using your video product.

Installation

1. **Read and Follow Instructions** - All the safety and operating instructions should be read before the video product is operated. Follow all operating instructions.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - Comply with all warnings on the video product and in the operating instructions.
4. **Polarization** - Do not defeat the safety purpose of the polarized or grounding-type plug.

A polarized plug has two blades with one wider than the other.

A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety.
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
5. **Power Sources** - This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your location, consult your video dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
6. **Overloading** - Do not overload wall outlets of extension cords as this can result in the risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicates damage or deteriorated insulation, have it replaced by your service technician.
7. **Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the video product.
8. **Ventilation** - Slots and openings in the case are provided for ventilation to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video equipment on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the video product manufacturer's instructions have been followed.
9. **Attachments** - Do not use attachments unless recommended by the video product manufacturer as they may cause a hazard.
10. **Camera Extension Cables** - Check the rating of your extension cable(s) to verify compliance with your local authority regulations prior to installation.
11. **Water and Moisture** - Do not use this video product near water. For example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, near a swimming pool and the like.
Caution: Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear the UL listing mark of CSA certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.
12. **Accessories** - Do not place this video equipment on an unstable cart, stand, tripod, or table. The video equipment may fall, causing serious damage to the video product. Use this video product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the video product. Any mounting of the product should follow the manufacturer's instructions and use a mounting accessory recommended by the manufacturer.


Service

13. **Service** - Do not attempt to service this video equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
14. **Conditions Requiring Service** - Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power supply cord or plug is damaged.
 - If liquid has been spilled or objects have fallen into the video product.
 - If the video product has been exposed to rain or water.
 - If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
 - If the video product has been dropped or the cabinet has been damaged.
 - When the video product exhibits a distinct change in performance. This indicates a need for service.
15. **Replacement Parts** - When replacement parts are required, have the service technician verify that the replacements used have the same safety characteristics as the original parts. Use of replacements specified by the video product manufacturer can prevent fire, electric shock or other hazards.
16. **Safety Check** - Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is in safe operating condition.
17. **Wall or Ceiling Mounting** - The cameras provided with this system should be mounted to a wall or ceiling only as instructed in this guide, using the provided mounting brackets.
18. **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Use

19. **Cleaning** - Unplug the video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
20. **Product and Cart Combination** - Video and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the video product and car combination to overturn.
21. **Object and Liquid Entry** - Never push objects for any kind into this video product through openings as they may touch dangerous voltage points or "short-out" parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.
22. **Lightning** - For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.

General Precautions

1. All warnings and instructions in this manual should be followed.
2. Remove the plug from the outlet before cleaning. Do not use liquid aerosol detergents.
3. Do not use this unit in humid or wet places.
4. Keep enough space around the unit for ventilation. Slots and openings in the storage cabinet should not be blocked.
5. During lightning storms, or when the unit is not used for a long time, disconnect the power supply, antenna, and cables to protect the unit from electrical surge.

FCC CLASS B NOTICE

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not in-stalled and used in accordance with the instruction, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment on and off), the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for assistance

This equipment has been certified and found to comply with the limits regulated by FCC, EMC, and LVD. Therefore, it is designated to provide reasonable protection against interference and will not cause interference with other appliance usage.

However, it is imperative that the user follows the guidelines in this manual to avoid improper usage which may result in damage to the unit, electrical shock and fire hazard injury.

In order to improve the feature functions and quality of this product, the specifications are subject to change without notice from time to time.



Features



- Digital Recording of live video to PC's hard drive
- Can also record on an external hard drive (not included)
- Internet Remote Monitoring
- H.264 video compression maximizes recording time
- View up to four locations simultaneously
- PC compatible with Windows XP™, Vista™ and 7
- Viewing options: Quad / Full Screen / Sequencing
- Easy search and playback of digitally recorded video
- Password security protection
- Free Lorex DDNS (Dynamic Domain Name System) service keeps you connected anywhere all the time
- Lorex DDNS keeps you connected at all times
- Email alerts notify you when events occur
- WatchDog feature assures stable recording
- 2-Audio channel inputs
- Web browser client software

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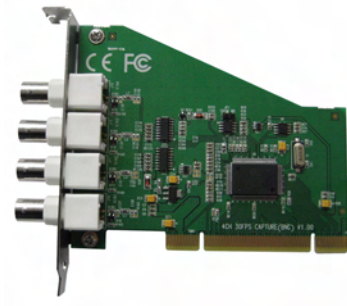
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GETTING STARTED

The system comes with the following components:



**QLR460 SERIES
PCI SURVEILLANCE CARD**



QUICK START GUIDE



MANUAL AND SOFTWARE CD



**MULTI-CHANNEL CONNECTOR
(16-CHANNEL CONNECTOR,
QLR1670 SERIES ONLY)**



2-CHANNEL AUDIO CABLE

CAMERA CONFIGURATIONS AND CONTENTS MAY VARY BY MODEL. PLEASE REFER TO YOUR PACKAGE FOR SPECIFIC CONTENT DETAILS. CHECK YOUR PACKAGE TO CONFIRM THAT YOU HAVE RECEIVED THE COMPLETE SYSTEM, INCLUDING ALL COMPONENTS SHOWN ABOVE.

INSTALLING THE QLR460 SERIES PCI CARD

Before You Start



- Ground yourself properly before performing hardware upgrades. Improper grounding damages electronic components in your system
- It is recommended to work over a non-carpeted area to prevent static electricity build-up
- Work on a level surface



- The QLR460/1670 Series PCI card is designed to work in a standalone environment
- The QLR460/1670 Series PCI card is not designed to work in a domain, or corporate network environment

Prerequisites & Hardware Requirements

Ensure that your system meets the following requirements before you begin installation.

Prerequisites

The system must have:

- A free PCI slot
- A standard PCI opening at the back of the system. Micro form factor cases may not be able to accomdate the QLR460 series

Minimum System Requirements

- Intel Pentium 4, 3.0 Ghz or higher processor
- 1 Gb of memory or greater
- Windows XP, Vista, 7 (32 & 64 bit versions)
- Optical Drive
- 250GB SATA hard drive
- Separate (standalone) video card with 64MB of memory

NOTE: Integrated video cards are not compatible.

- 800 x 600 VGA color display or better
- Broadband connection required for remote management



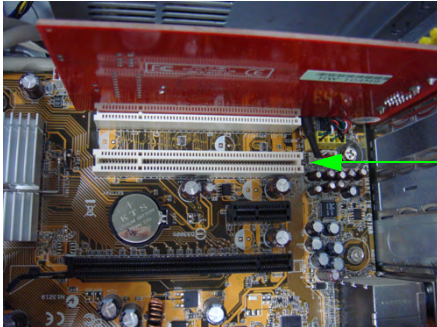
Your standalone video card must have the latest drivers from the manufacturer's website installed.

The default Windows video card drivers will not work with the Vista Pro 6 software.

Installing The QLR460 Series Surveillance Card

1. Shut down the computer. Unplug the power cord from the computer's power supply.
2. Remove the computer case cover screws. Remove the case cover to access the motherboard's PCI slot.

NOTE: Refer to your computer's owner's manual for instructions on how to remove the case cover.



Empty PCI slot

Figure 1.0 Empty PCI slot.

3. Remove the PCI slot's metal plate at the back of the computer.

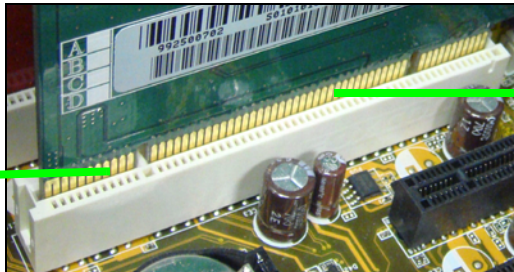
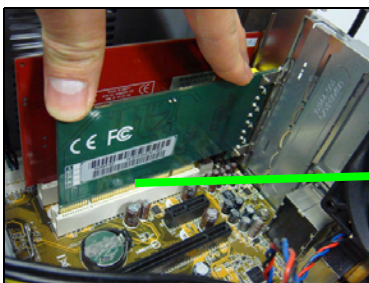


Figure 1.1 Remove PCI slot bracket.



Be careful of sharp edges while removing the metal plate.

4. Push the card firmly into the PCI slot until it clicks in place. The gold-colored connector pins should not be visible after the card is secure.



Gold-colored Connector pins

Figure 1.2 Push the card firmly into the PCI slot until it clicks in place.

5. Secure the PCI card onto the case.



Figure 1.3 Secure PCI card in chassis.

6. Replace the chassis cover on your system.

OPTIONAL: You may connect the 2-Channel audio cable into your sound card if you have an audio-enabled camera (not included).

NOTE: Audio recording requires audio capable cameras (not included).

Installing the Cameras

To install the cameras to your QLR card:

1. Power off your system.
2. Screw in the BNC connector from the camera to the back of the QLR card. The connection should be snug and secure.



Figure 1.4 Insert BNC connectors into the video in ports of the surveillance card.



Tip!

Make sure your cameras are fully functional before mounting them in the final location.



Figure 1.4b Connecting the Multi-channel connector (QLR1670 Series only).

The multi-channel connector can connect up to 16 cameras. The connector includes one video output that can connect to a display (QLR1670 Series only)

INSTALLING THE SOFTWARE

The QLR460 includes local monitoring software, and remote monitoring software. The local monitoring software is called Vista Pro 6 **Server**. The remote monitoring software is called Vista Pro 6 **Client**. Use Vista Pro 6 Client to monitor your system from another computer.

INSTALLING VISTA PRO 6 SERVER (LOCAL VIEWING)

To install Vista Pro 6 Client:

1. Insert the installation disc into your computer's CD/DVD reader.
2. Click on the **Vista Pro 6 Software** button when the software autorun window opens.
 - If your system does not support auto-run, you can browse the CD, and search for the Vista Pro 6 Client in the **X:\package\DVRMain** directory, where "X" is your CD/DV D drive. Double click **Setup.exe** to install Vista Pro 6 Client.
3. The installation screen opens. Click **Install** then click **Express** to install Vista Pro 6 Server.
4. **64 bit only:** A Windows Security Warning appears. Select the checkbox beside "Always trust software from Cap Co". Click the **Install** button to continue.

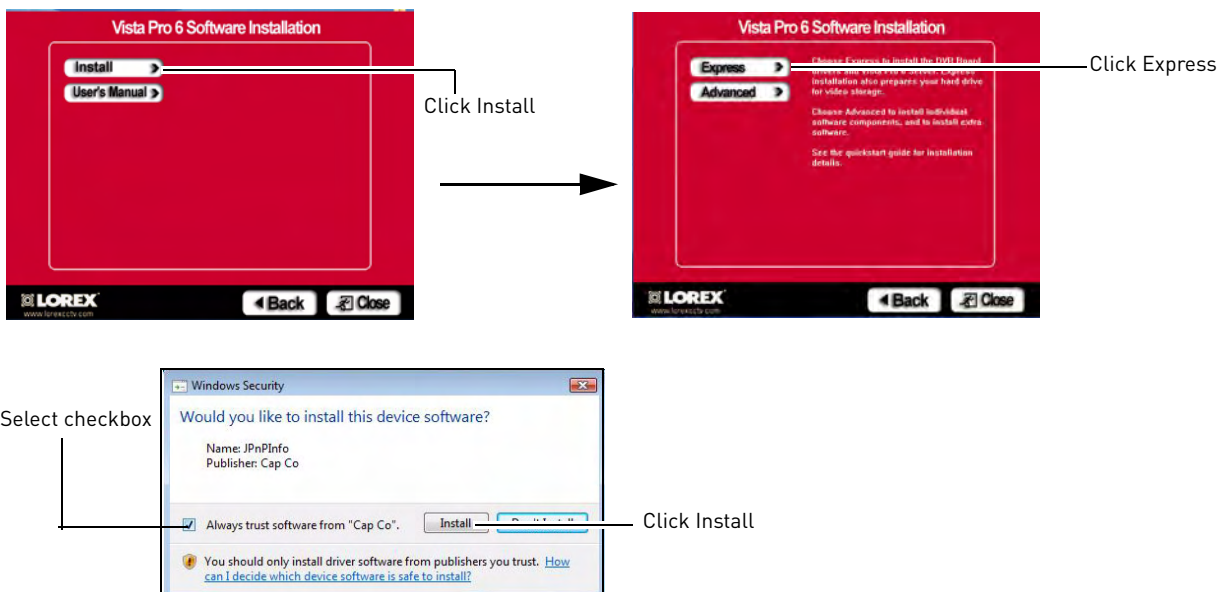
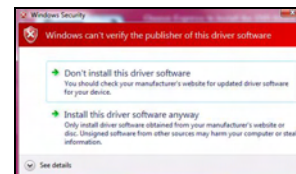


Figure 2.0 Vista Pro 6 Server (Local Viewing) installation window.

5. A second set of Windows Security window opens. Click **"Install this driver software anyway"** to continue. This window appears twice.
6. Follow the on-screen instructions to install the software.

NOTE: You may receive installation warnings during setup. This is normal. Allow the software to continue installation when the warning window appears.



INSTALLING VISTA PRO 6 CLIENT (REMOTE VIEWING)

If you want to view your local system from a remote computer, install Vista Pro 6 Client. Vista Pro 6 Client allows you to back up and search your video remotely. You do not need to install Vista Pro 6 Client on a local machine.

To install Vista Pro 6 Client:

1. Insert the installation disc into your computer's CD/DVD reader.
2. Click on the **Vista Pro 6 Software** button when the software autorun window opens.
 - If your system does not support auto-run, you can browse the CD, and search for the Vista Pro 6 Server in the **X:\package\Remote Client** directory, where "X" is your CD/DVD drive. Double click **Setup.exe** to install Vista Pro 6 Client.
3. The installation screen opens. Click **Install** then click **Advanced**.
4. Click on **Vista Pro 6 Client** to begin installation.

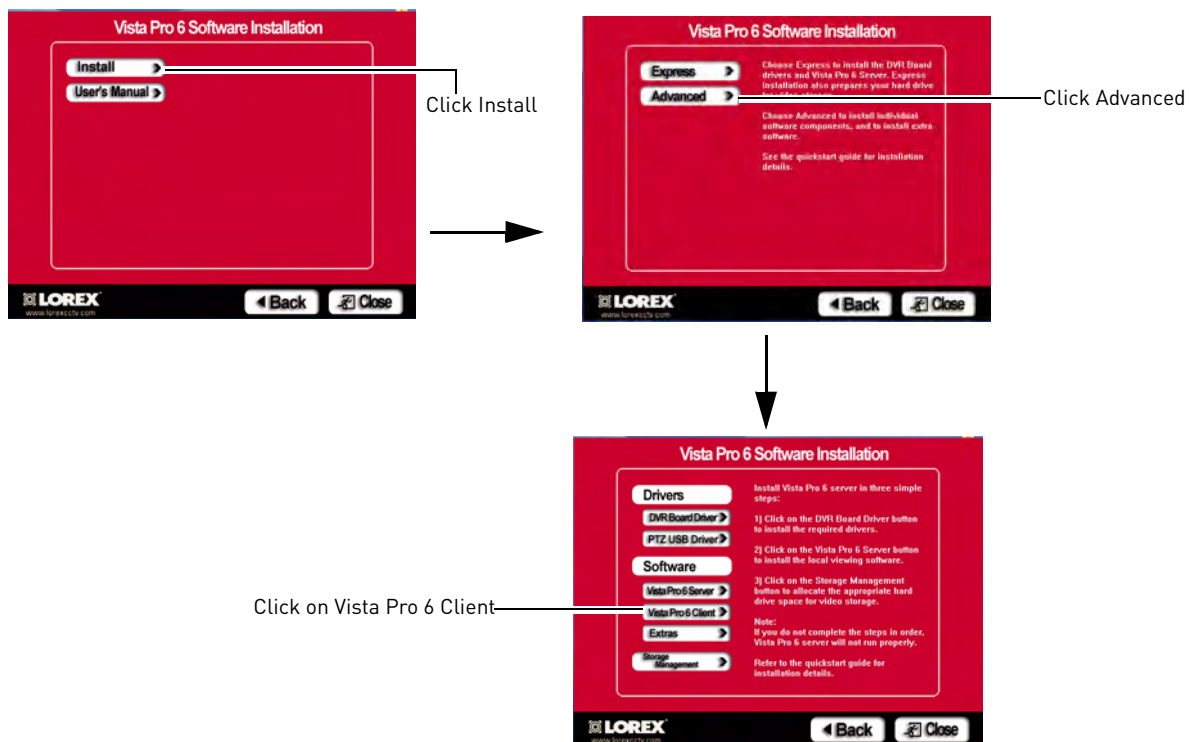


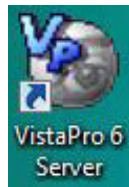
Figure 2.1 Vista Pro 6 Client installation window.

5. After the installation is complete, remove the CD and restart your system.

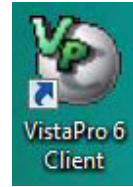
NOTE: To install Vista Pro 6 Client in the Advanced menu, you must install the following programs in this order : 1) DVR Board Driver 2) Vista Pro 6 Client 3) Storage Management

NOTE: You may receive installation warnings during setup. This is normal. Allow the software to continue installation when the warning window appears.

To start the program, double-click the Vista Pro 6 icon on your desktop.



Vista Pro 6 Server (Local Viewing)



Vista Pro 6 Client (Remote Viewing)

INITIAL STARTUP

During initial startup, you may receive a Windows Security alert regarding the system Firewall. This is normal. Click the **Unblock** button to continue.

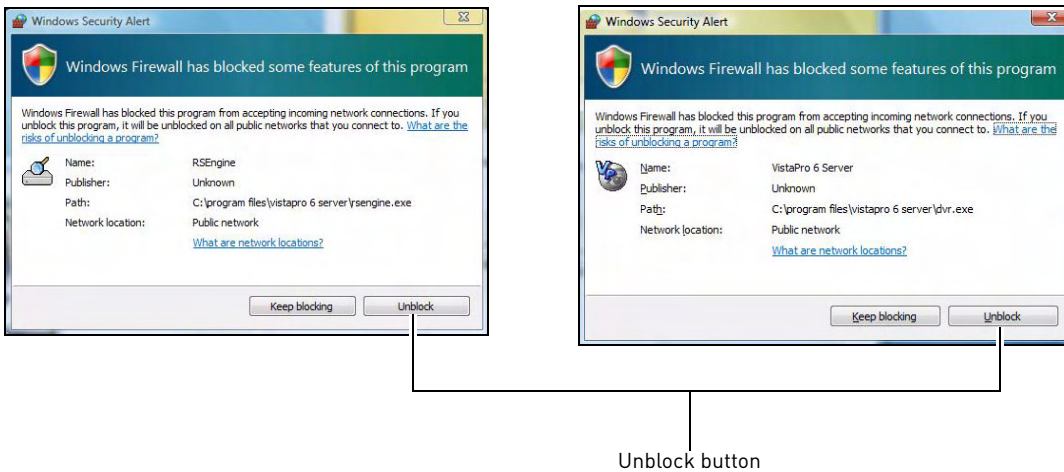


Figure 2.2 Firewall security alert windows.

SELECTING A SAVE DIRECTORY AND ALLOCATING STORAGE SPACE

During the software installation, a save directory window opens.

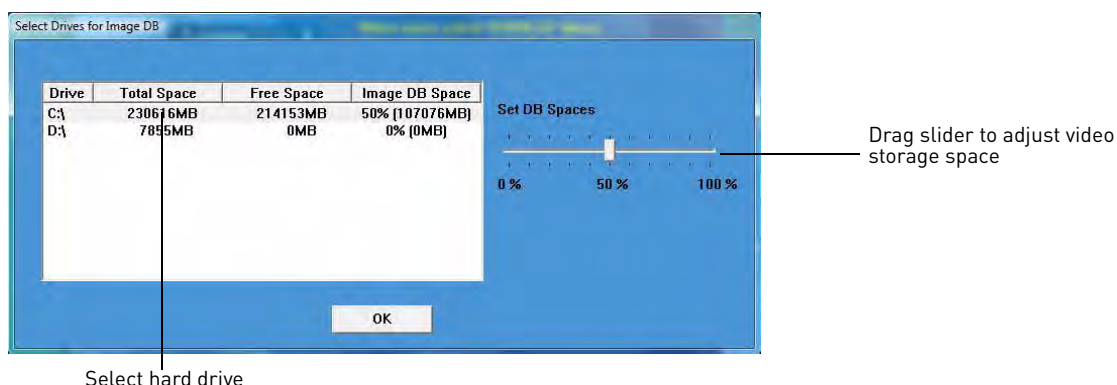


Figure 2.3 Selecting a save directory and allocating storage space.

To select the save directory:

- Select the hard drive in the hard drive list.

To allocate video storage space:

1. Drag the slider to the right to increase storage space; drag the slider to the left to decrease storage space.

NOTE: If you allocate a large percentage of your hard drive for video storage, your hard-drive icon may show up with a red bar (in Windows Vista, 7). This is normal.

2. Click **OK** to continue. The software begins allocating storage space on your hard drive.

Changing a save directory and re-allocating storage space

You can change the save directory and re-allocate storage space by using the Storage Management program.

For more information, see:

- Storage Management (See “Appendix F: Re-Allocating Storage Space” on page 80.)

INSTALLING EXTRA SOFTWARE

To install the extra software, you must access the **Advanced** installation menu. During setup, instead of selecting Express installation, select **Advanced** then click **Extras**.

To install the Image Analyst and Backup Viewer software, click the Extras button in the Advanced installation window.

For more information, see:

- Image Analyst (See “Appendix D: Using The Image Analyst Software” on page 78.)
- Backup Viewer (See “Appendix E: Using Backup Viewer” on page 79.)

HARD DRIVE SETUP SCENARIOS



During installation, the software will ask you to create a directory to store your videos. Depending on your computer's hard drive setup, you will need to select your save directory accordingly.

Your computer may have:

A hard drive with a recovery partition (ie. C drive and D drive with Recovery Software)

If you have a recovery partition, it is recommended to set your **C drive** as the primary video storage location. The "recovery" partition is reserved for the operating system, and does not have adequate space to store your surveillance videos.

A single hard drive (ie. C drive only)

If you only have a single hard drive without a partition, then set your **C drive** as your storage directory for the surveillance videos.

A hard drive with a partition (ie. C and D drive)

If you have a second partition in your hard drive (ie. a D drive with ample space (for example, 100GB and above), it is recommended to set your partition as the storage directory for the surveillance videos. This reduces the chance of losing stored videos if your main hard drive (ie. C drive) fails.

A hard drive with an external hard drive (ie. C drive + external hd)

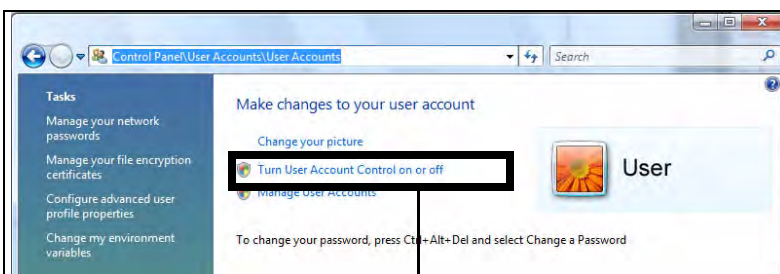
If you have an external hard drive, you can set your external hard drive as your storage directory. It is recommended that you do not remove the external hard drive during recording or playback.

Enabling User Account Control

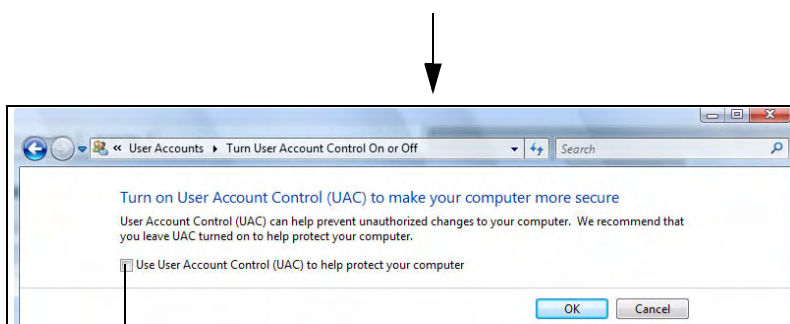
During the software installation in Windows Vista/7, User Account Control (UAC) is disabled in order for the Vista Pro 6 software to properly install. You may wish to enable UAC once installation is complete.

To enable User Account Control:

1. Click on the Start Menu>Control Panel>User Accounts>User Accounts.
2. Click **Turn User Account Control on or off**.



Click on Turn User Account Control on or off



Select checkbox

Figure 2.4 Disabling User Account Control.

3. Select the checkbox beside "Use User Account Control to protect your computer" (make sure there is a checkmark in the checkbox) and then click **OK** to save your settings. Click on **Restart Now** to restart your computer.

Disabling Login Password

Disabling the login password allows Vista Pro 6 software to resume automatically in an event that your system restarts due to power failure or errors.

To disable your user login password:

1. Click on the Start Menu>Control Panel>User Accounts>User Accounts
2. Click **Remove Your Password** and then enter your current password in the blank field.
3. Click on the **Remove Password** button.

VISTA PRO 6 SERVER: VIEWING MODE

Viewing Mode

Viewing Mode allows you to watch live, streaming events from your cameras. While in Viewing Mode, you can watch up to 4 cameras simultaneously in split-screen mode.

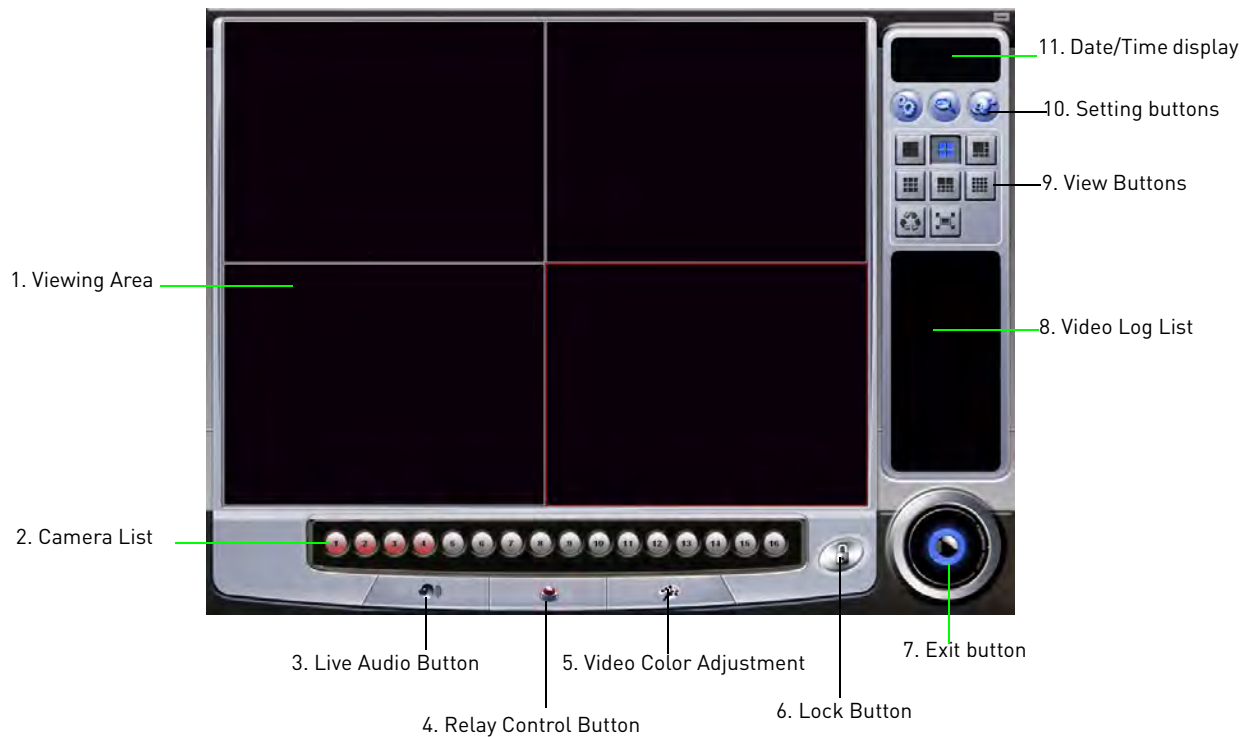






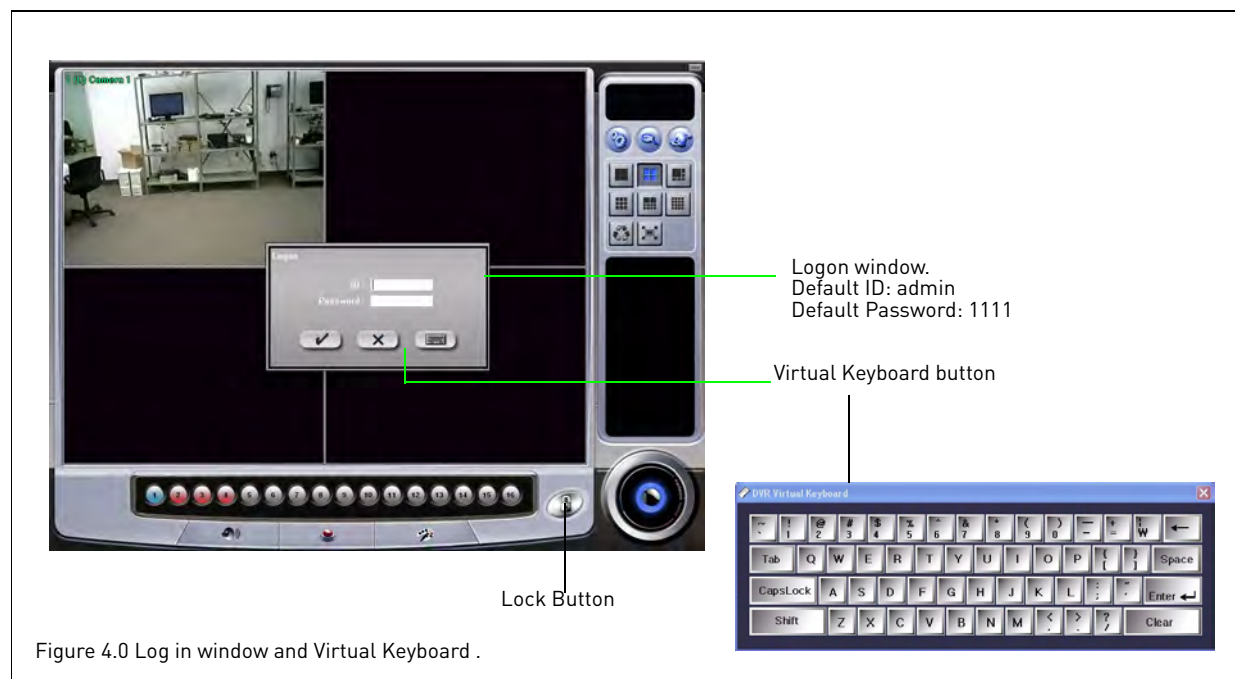
Figure 3.0 Lorex Viewer in Viewing Mode.


1. **Viewing Area:** Displays live video from video cameras connected to the card.
2. **Camera List:** Displays active cameras. Active camera channels highlight buttons in blue. Inactive camera channels highlight buttons in red.
3. **Live Audio Button:** Click to display camera channels with live audio. Channels with active live audio highlight buttons in red. Channels with inactive audio do not appear in camera list.
4. **Relay Control Button:** Not supported in this model.
5. **Video Color Adjustment:** Adjust video brightness, contrast, saturation, and hue.
6. **Lock Button:** Click to log in to the system to begin viewing or searching video.
7. **Exit Button:** Click to exit a window or to exit the program.
8. **Video Log List:** Displays a log of video events.
9. **View Mode Buttons:** Click to display video in 1-channel, 4-channel, or full screen view.
10. **Setting Buttons:** Configure Setup (), Search () and PTZ () settings.
11. **Date/Time display:** Displays current Date and Time.

LOGGING INTO THE VIEWER

To log in to the Viewer:

1. Click the **Vista Pro 6 Server** shortcut on your desktop, or locate the application in the start menu.
2. Click the **Lock Button** (). The Logon window appears.



3. Under **ID**, enter **admin** ; under **Password**, enter **1111**. Click the checkmark button () to log in.






NOTE: Click the Virtual Keyboard button () to type in the User ID and Password if you do not have access to a keyboard.

NOTE: It is recommended to change the default password. For details on changing the admin password, see "Changing User Account Password" on page 39.

NOTE: Click the **Exit** button on the bottom right hand corner of the window to exit the program.

ADJUSTING VIEWING MODES

To change how the live video feed displays in the window:

- Click the **1-channel view button** (, **4-channel view button** () or **Full Screen button** ().
- While in 1-Channel view, press the **Auto Sequence** button () to cycle through channels 1~4.
- To change the Auto Sequence dwell time, click the **Setup** button (). Under Auto Sequence Dwell Time, enter desired dwell time in seconds (1~20 seconds)

Understanding The Camera List

The Camera List allows you to have a "bird's eye view" of the current status of the channels.



Figure 4.1 Camera List.

- A Blue button indicates the channel is active.
- A Red button indicates the channel is offline.
- A Gray button indicates the channel is not in use.

Understanding The Audio List

To listen to audio during live viewing, click the **Live Audio** Button. Then click on the channel with the audio input. This allows you to listen to audio that the camera receives.

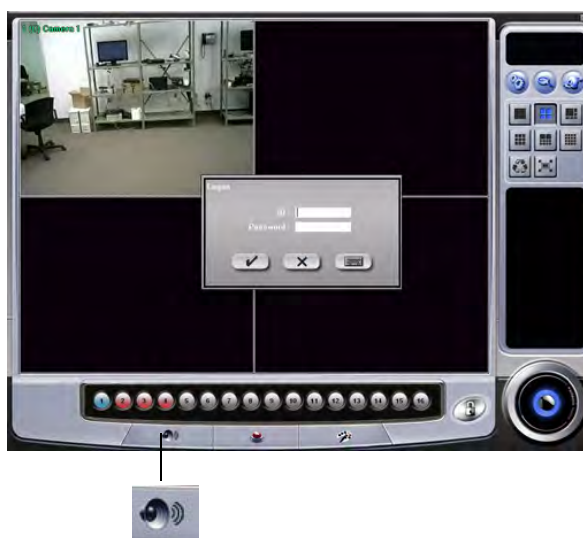


Figure 4.2 Listening for Live Audio.

Live Audio button


For details on how to set up audio on audio-enabled cameras (not included), see "Audio Tab" on page 34.

ADJUSTING VIDEO COLOR

You can adjust the brightness, contrast, saturation and hue of the video images.

To adjust the video color:

1. Click the desired channel you wish to adjust color. A red box around the channel indicates the channel is selected.

2. Click the **Color Adjust button** (). The Color Adjust settings open near the bottom of the window.

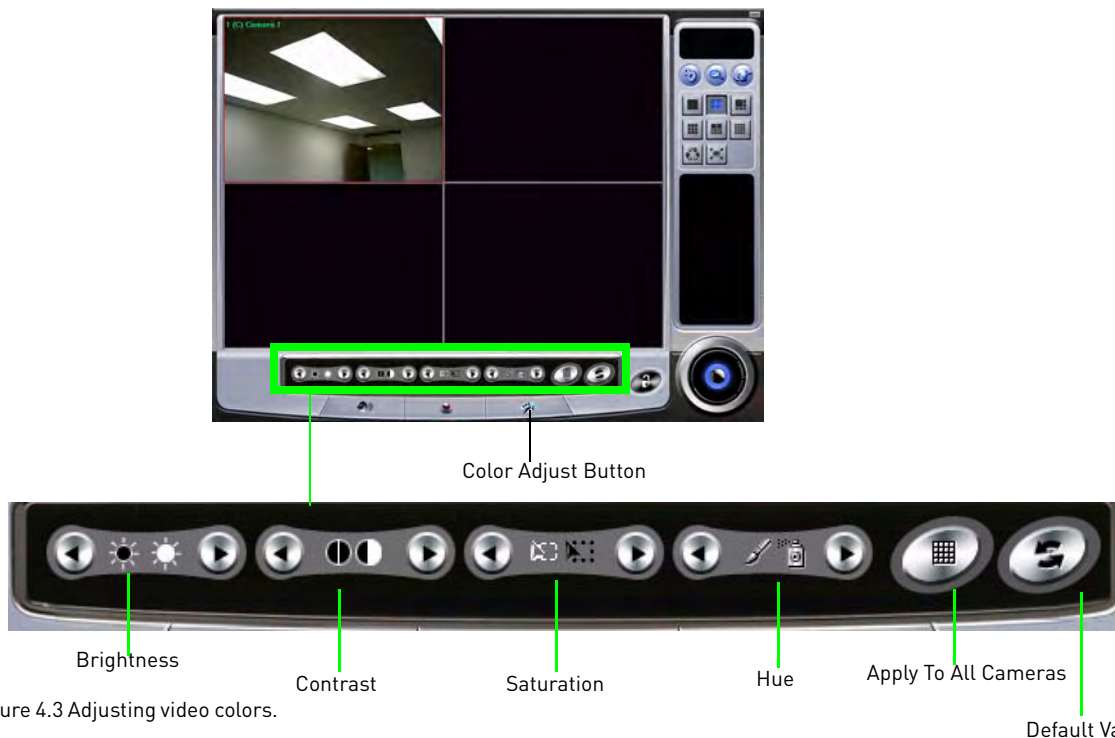






Figure 4.3 Adjusting video colors.

3. Click the channel that you wish to adjust colors. A red outline around the channel indicates the channel is selected.
4. Click and hold  or  to increase or decrease Brightness, Contrast, Saturation, or Hue settings.
 - To apply settings to all channels, adjust the desired video settings, then click the **Apply To All Cameras** button ()
 - To reset color settings to the default value, click the **Default Value** button ()

System Tab

The System tab allows you to configure backup settings, auto-reboot settings, and editing your system information.

To access the System Tab:

- Click the **Setup** () button in Live View mode.

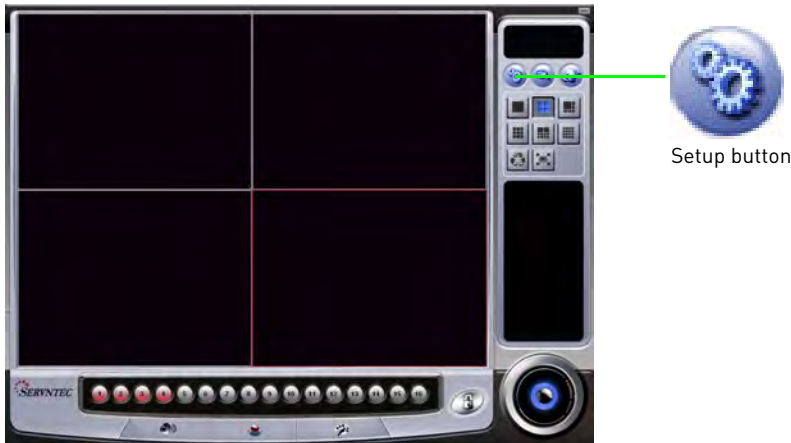



Figure 5.0 Accessing the Setup tab.

ENABLING WATCH DOG

Watch Dog is a feature that continuously monitors potential system errors while the viewer runs. When a system error occurs, the Watch Dog forces the system to restart. Once the system restarts, the viewer automatically begins recording.

Forcing a system to restart when there are potential problems ensures the viewer's stability. This increases the likelihood your computer continues to record even if it encounters a system error.

To enable Watch Dog:

- Click the **Setup** () button. The System tab opens.
- Beside Watchdog Setting, select the checkbox beside **Use Watchdog**.

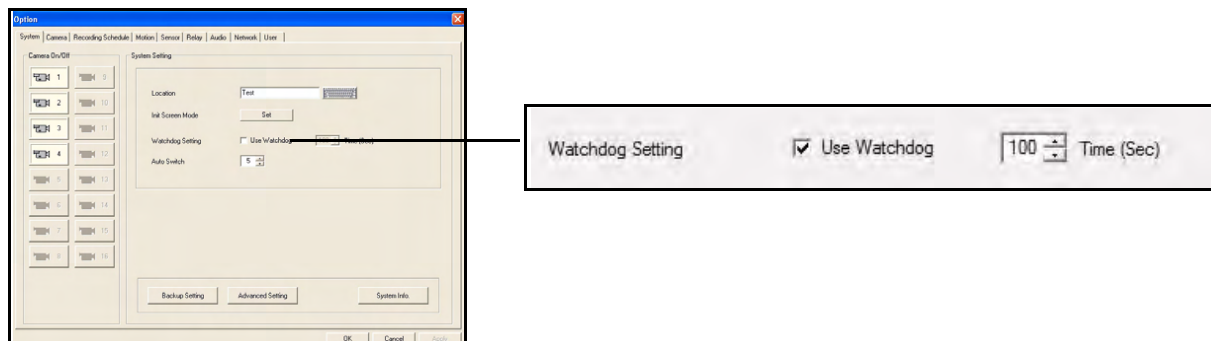



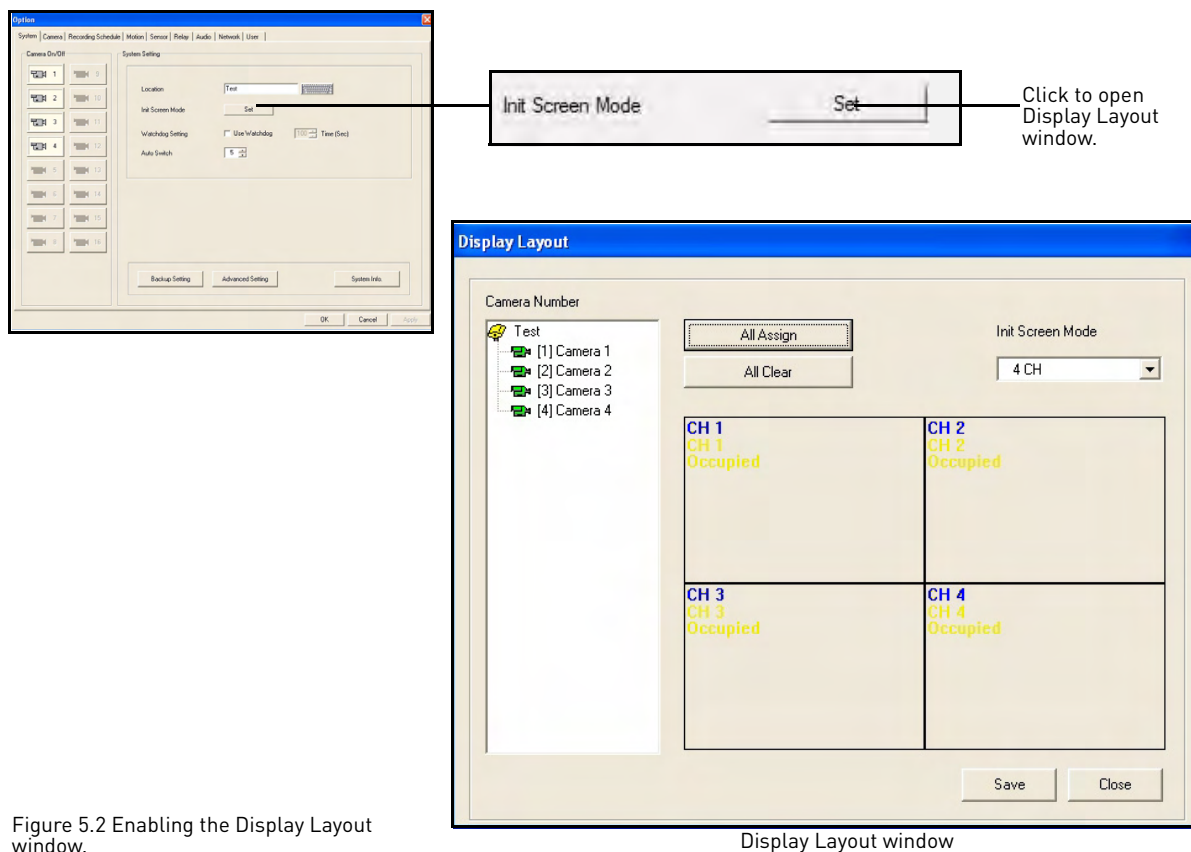
Figure 5.1 Enabling Watch Dog

ASSIGNING START-UP SCREEN POSITIONS

You can adjust the initial position of the camera feeds in the live viewer. For example, you may want camera 4 to be in the top left corner of the screen, instead of being on the bottom right.

To adjust the position of your camera feeds:

1. Click the **Setup** () button to open the System tab.
2. Beside Init Screen Mode, click **Set**. The Display Layout window opens.



3. Click the **All Clear** button to empty the assigned cameras in the window. The camera list on the left hand side turns from green (active) to gray (inactive). The channels now show in red text, "Empty".

NOTE: Click the **All Assign** button to assign cameras to all 4 channels.

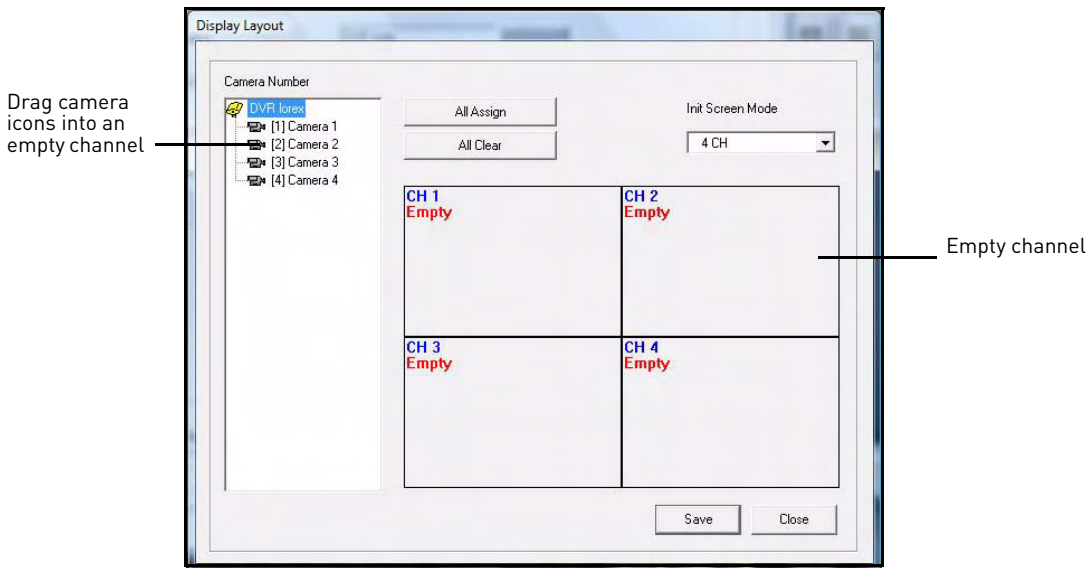


Figure 5.3 Assigning cameras to new window positions.

4. Under Camera Number, drag a camera icon from the list into the desired location in the empty channel window.
5. Click **Save**, then click **OK** on the bottom of the window to save your settings.

STARTING THE VIEWER IN 1-CHANNEL OR 4-CHANNEL VIEW

To start the program with 1-channel or 4-channel view:

1. Click the **Setup** button. The System tab opens.
2. Beside Init Screen Mode, click **Set**.
3. Under the Init Screen Mode drop-down menu, select **1 CH** or **4 CH**.

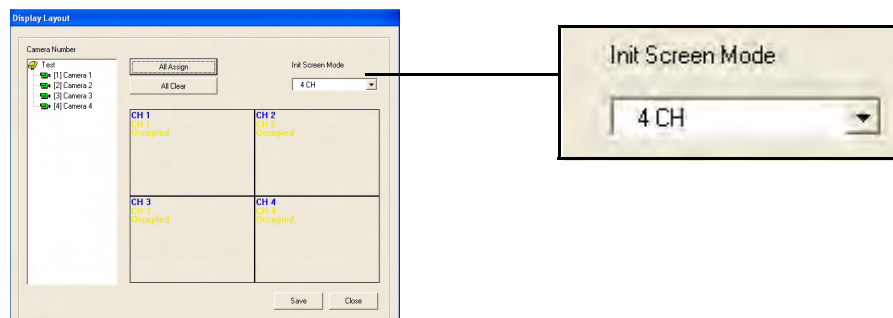



Figure 5.4 Assigning cameras to different channels.

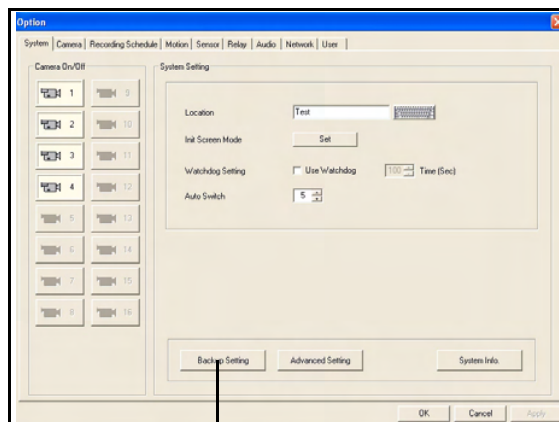
4. Click **Save** and then click **OK** near the bottom of the window to save your settings.

ENABLING SCHEDULED DATA BACKUP

Scheduled Backup allows you to backup your videos on a specified date and time.

To start Scheduled Data Backup:

1. Click the **Setup** () button. The System tab opens.
2. Click the **Backup Setting** button. The Schedule Backup Setup window opens.



Click the Backup Setting button

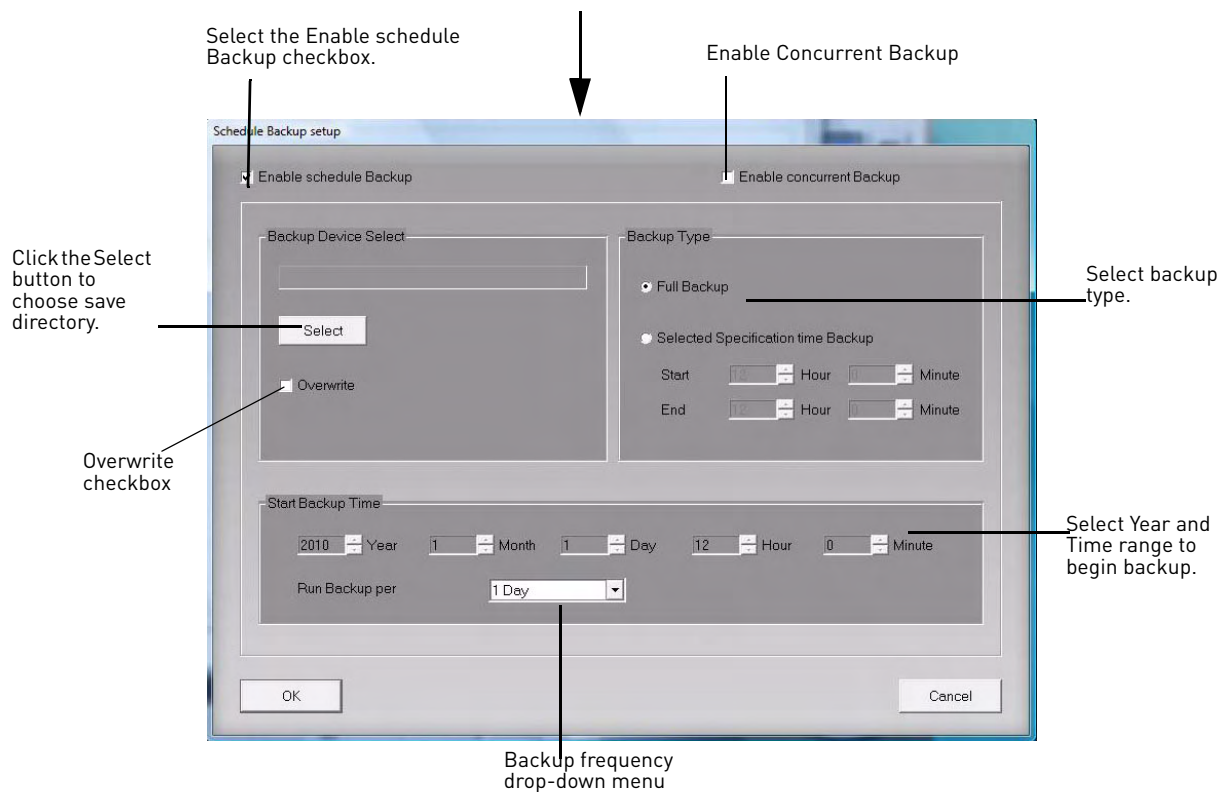


Figure 5.5 Schedule Backup Setup window.

3. Select the checkbox beside **Enable schedule Backup** on the top left corner of the window.
 - Select **Enable Concurrent Backup** to back up the data in parallel to a separate directory. Then click **Select** to choose a save directory. You will have two copies of the file if you enable Concurrent Backup. Skip to step 9 to complete your setup.
4. Under Backup Device Select, press the **Select** button. Browse for a directory you wish to save the backup files. Click **OK** to save your settings.
5. Select the **Overwrite** checkbox to enable the hard drive to re-write itself when it is full.
6. Under Backup Type, select **Full Backup** to back up the entire library of video events.
or
Under Backup Type, select **Selected Specification time Backup**. Select the start and end time for the scheduled backup (Figure 5.6).

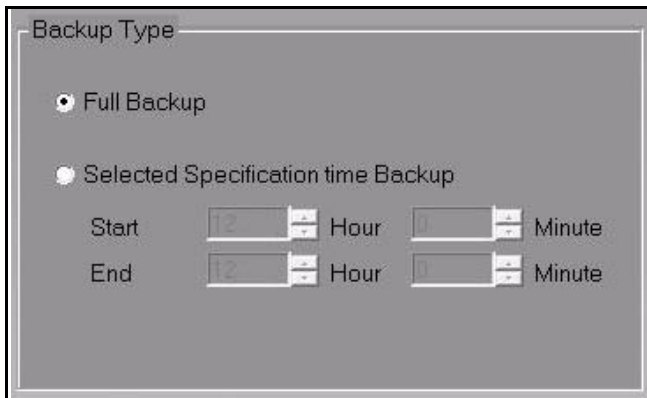


Figure 5.6 Backup Type window.

7. Under Start Backup Time, select the **Year**, **Month**, **Day**, **Hour** and **Minute** you want the data to begin backing up (Figure 5.7).

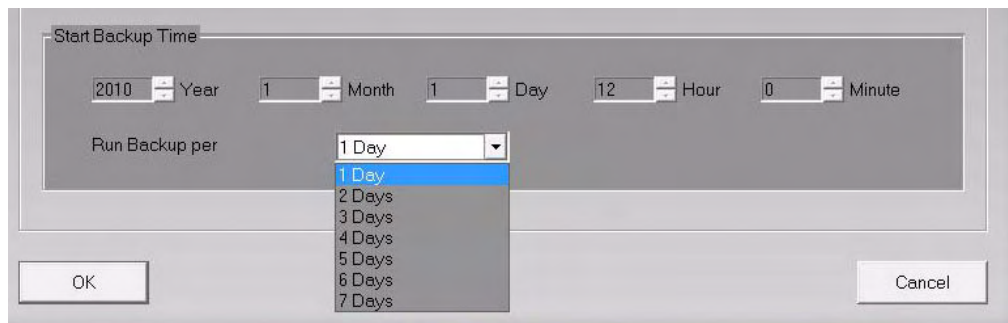


Figure 5.7 Start Backup Time and Start Date

8. Beside the Run Backup Per drop-down menu, select how many days in between you want the system to perform the backup.
 - For example, if you select 2 Days, the system performs a backup of the video content every 2 days.
9. Click **OK** to save your settings, then click **OK** again on the bottom of the window Option window.

Backup Scenarios


SCENARIO A: BACKING UP VIDEO DURING A SPECIFIED TIME

You may only want to back up your video during a specific time to conserve your storage space. For example, a shop owner may want to back up the video content of the business between 9:00am to 6:00pm to monitor the employees and the shop.

The shop owner also wants to back up video data every 2 days. The shop owner also wants to start the back up on 11:00 pm on December 24th during the holiday break.

To schedule backup for a specific time:

Open the Backup Window

1. Click the **Setup** () button. The System tab opens.
2. Click the **Backup Setting** button. The Schedule Backup Setup window opens.

Enable Schedule Backup and Choose a Save Directory

1. Select the **Enable schedule backup** check box on the top-left corner of the window.
2. Under Backup Device Select, click the **Select** button and choose a save directory.
3. Select the **Overwrite** checkbox. This will allow your system to over-write content if the hard-drive becomes full.

Select the Time Range to Back Up

1. Under Backup Type, select **Selected Specification time Backup**.
2. To set the start time, beside Start, enter **9** for the hour; beside minute, enter **0**. This tells the system to start the back up time range at 9:00am.
 - To set the end time, beside End, enter **18** for the hour; beside minute, enter **0**. This tells the system to end the back up time range at 6:00pm.
 - **Note:** The time must be entered in 24-hour formats.

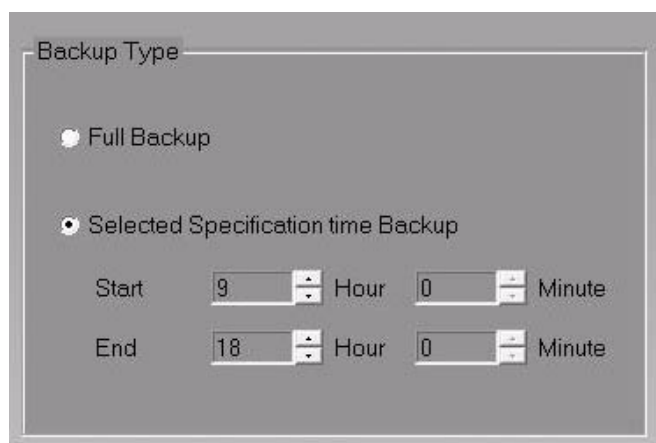


Figure 5.8 Scheduling recording between 9:00am to 6:00pm.

Select the Date and Time the Backup Should Begin

- Under Start Backup Time, enter the Year, Month, Day, Hour and Minute to begin backup. In this example, the shop owner would enter **2010** beside Year; **12** beside Month; **24** beside Day; **23** beside Hour, **00** beside Minute.
 - This triggers the scheduled backup to start at December 24, 2010 at 11:00pm, and will back up all the content between 9:00am and 6:00pm.

The screenshot shows a window titled 'Start Backup Time'. Inside, there are five input fields: Year (2010), Month (12), Day (24), Hour (23), and Minute (00). Below these fields is a label 'Run Backup per' followed by a dropdown menu currently showing '2 Days'.

Figure 5.9 Scheduling backup start time.

- Beside the Run Backup Per drop-down menu, select **2 Days**. This schedules the system to back up the data every 2 days.
- Click **OK** to save your settings.



Tip!

It is recommended to perform daily backups (1 day) to prevent the system from overwriting video content.

Result


The the backup sequence begins on December 24, 2010 at 11:00pm. The system backs up all content between 9:00am and 6:00pm. Since the shop owner wanted the back up to take place every 2 days, on December 26, at 11:00pm, the system copies all the backup videos to the specified directory.

The system will continue to back up data every 2 days on an endless loop.

SCENARIO B: SCHEDULING A 24-HR FULL BACKUP

The shop owner may want to backup all 24 hours of video starting on December 24th, 2010 at 11:00pm, every 2 days.


To back up 24-hours of video on a scheduled time:

- Click the **Setup** () button. The System tab opens.
- Click the **Backup Setting** button. The Schedule Backup Setup window opens.
- Select the **Enable schedule backup** check box on the top-left corner of the window.
- Under Backup Device Select, click the **Select** button and locate a save directory.
- Select the **Overwrite** checkbox. This will allow your system to over-write content if the hard-drive becomes full.
- Under Backup Type, select **Full Backup**.
- Under Start Backup Time, enter **2010** beside Year; **12** beside Month; **24** beside Day; **23** beside Hour, **00** beside Minute.
- Beside the Run Backup Per drop-down menu, select **2 Days**. This schedules the system to back up the data every 2 days.
- Click **OK** to save your settings.
 - The system will perform a full backup every 2 days, starting on December 24, 2010, at 11:00pm.

CONFIGURING ADVANCED SYSTEM SETTINGS

The Advanced System Settings window allows you to configure when your computer's auto restart time, and other system settings.

To open the Advanced System Settings window:

1. Click the **Setup** () button. The System tab opens.
2. Click the **Advanced Settings** button. The Advanced system setting window opens.

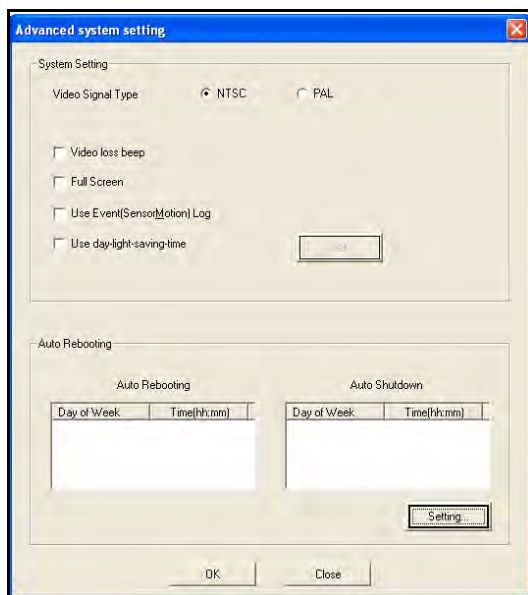


Figure 5.10 Advanced system setting window.

3. Under System Setting, configure the following:
 - **Video Signal Type:** Select **NTSC** or **PAL**
 - **Video loss beep:** Select check box if you want the computer to "beep" upon video loss
 - **Use Event (SensorMotion) Log:** Select check box if you wish to enable the Sensor Motion log.
 - **Use day-light-saving time:** Select the directory of where you would like the system to save video content that over-laps due to daylight savings time.

- Under Auto Rebooting, press the **Setting** button. The Auto Rebooting and Auto Shutdown Setting window opens.

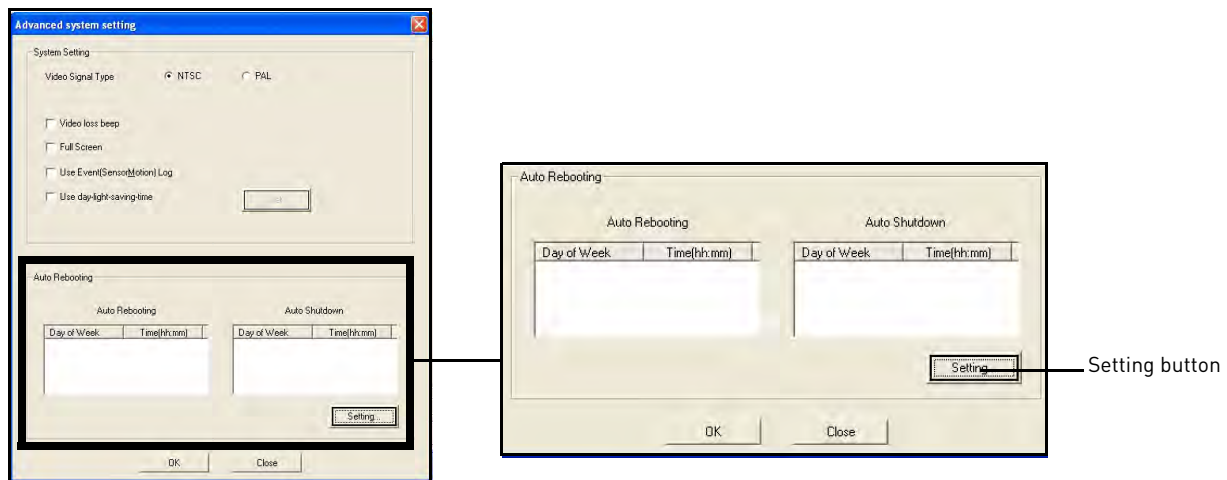


Figure 5.11 Auto Rebooting window.

- Under Auto Rebooting, click the **Use Everyday** button. Select the **Hour** and **Minute** you want the system to reboot. This will apply the changes to 7-days of the week.
Or
Click the buttons with the days of the week (**SUN~SAT**), and from the drop-down menu, select the **Hour** (24-hour clock) and **Minute** you want the system to reboot.

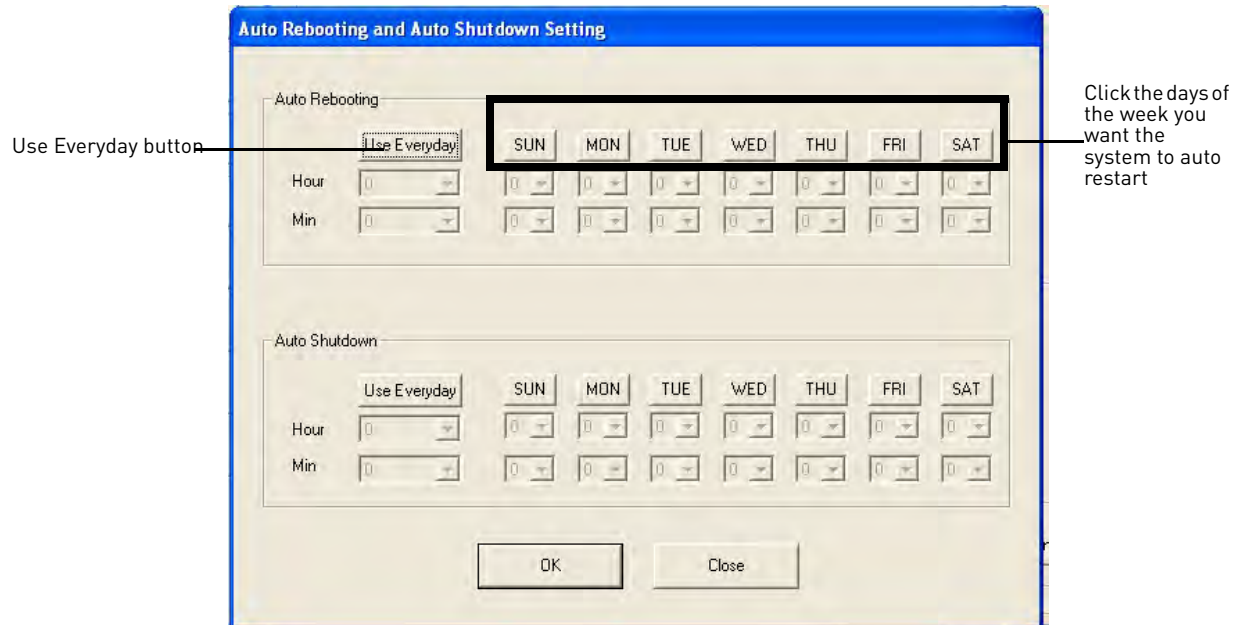


Figure 5.12 Auto Rebooting window.

- Under Auto Shutdown, click the **Use Everyday** button. Select the **Hour** and **Minute** you want the system to reboot. This will apply the changes to 7-days of the week.
Or


Click the buttons with the days of the week (**SUN~SAT**), and from the drop-down menu, select the **Hour** (24-hour clock) and **Minute** you want the system to shut down.

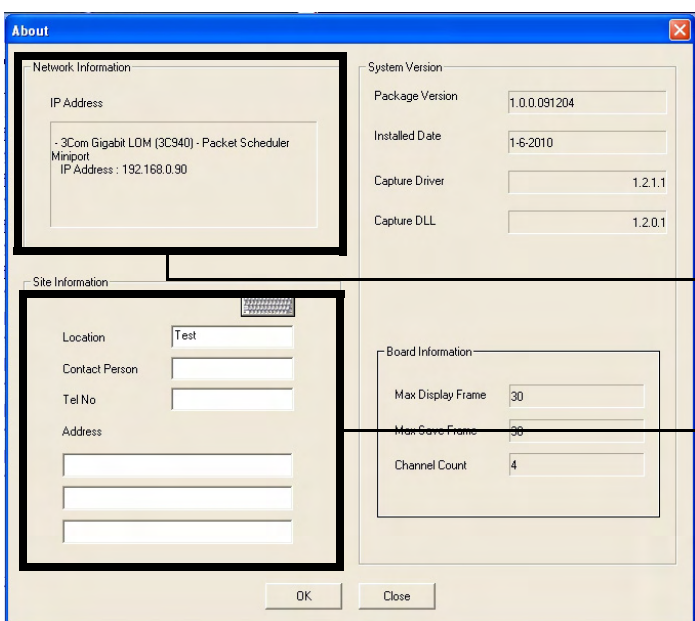
- Click **OK** until you reach the main viewer screen to save your settings. A message will read "Apply Setting Value" to confirm the system changes.

RETRIEVING YOUR IP AND CHANGING SYSTEM INFORMATION

You will need your system IP to log in remotely into the viewer. You can also personalize the information on the DVR. This allows you to easily distinguish which system you are connected to if you operate more than one system.

To retrieve your IP:

- Click the **Setup** () button. The Setup Tab opens.
- Click the **System Info.** button. The About window opens.



The screenshot shows the 'About' window with two tabs: 'Network Information' and 'Site Information'. The 'Network Information' tab is active, displaying the IP Address as 192.168.0.90. The 'Site Information' tab is also visible, showing fields for Location, Contact Person, Tel No, and Address. The 'System Version' section on the right shows Package Version 1.0.0.091204, Installed Date 1-6-2010, Capture Driver 1.2.1.1, and Capture DLL 1.2.0.1. The 'Board Information' section shows Max Display Frame 30, Max Save Frame 30, and Channel Count 4. Annotations with lines point to the IP address and network information, and the Site Information (System Information) section.

Network Information	
IP Address	192.168.0.90

System Version	
Package Version	1.0.0.091204
Installed Date	1-6-2010
Capture Driver	1.2.1.1
Capture DLL	1.2.0.1

Site Information	
Location	Test
Contact Person	
Tel No	
Address	

Board Information	
Max Display Frame	30
Max Save Frame	30
Channel Count	4


Figure 5.13 System Information window.

- Under Site Information, fill in the optional information about the DVR in the blank fields.
- Click **OK**, and then click **Apply** on the bottom of the window to save your settings.

ENABLING AND DISABLING CAMERAS FROM RECORDING

Periodically, you may want to prevent a camera from recording.

To disable a camera from recording:

1. Click the **Setup** () button. The System tab opens.
2. Under Camera On/Off, click the camera that you want to enable or disable.

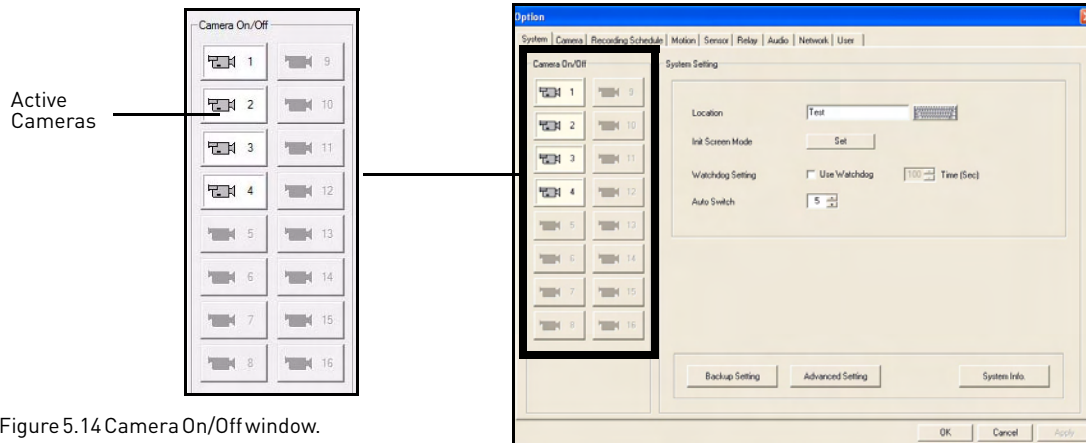



Figure 5.14 Camera On/Off window.

3. Click **OK** to save your settings.

Camera Tab

The camera tab allows you to configure the camera's name, resolution, frame rate and video quality.

To open the Camera tab:

1. Click the **Setup** () button.
2. Click the **Camera** tab. The Camera tab opens.

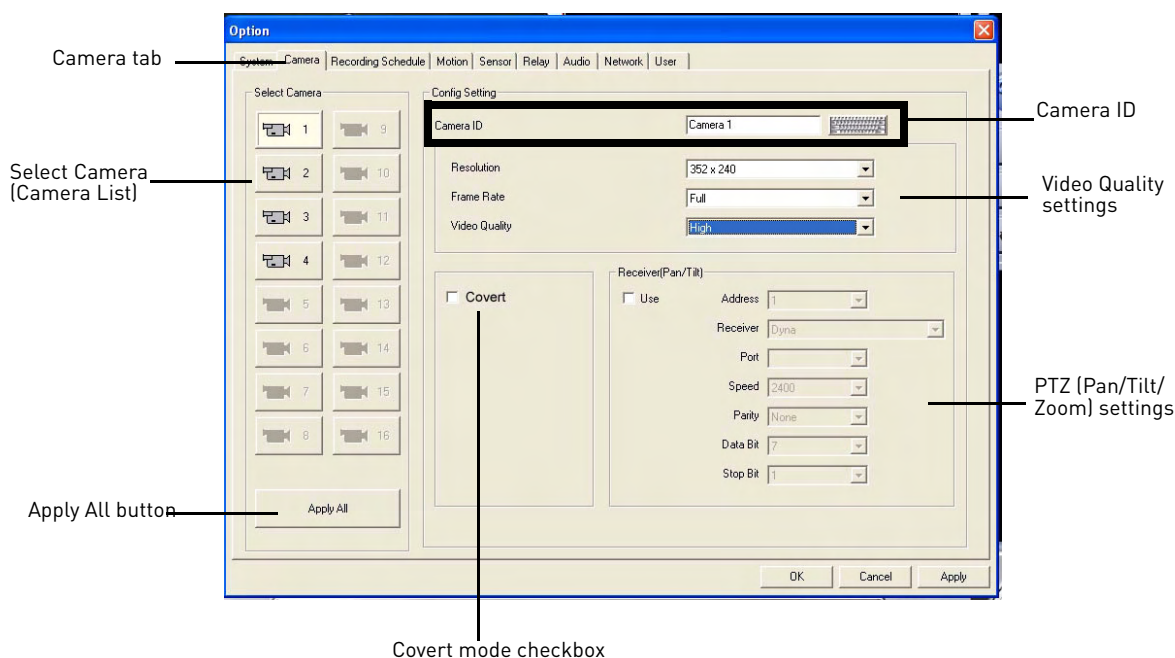



Figure 6.0 Camera tab window.

CHANGING THE CAMERA NAME


You can change the camera name to easily distinguish what video feed you are viewing. This is useful in night time footage since you can quickly identify what camera you are viewing.

To change the camera name:

1. Click the **Setup** () button and then click the **Camera** tab. The Camera tab opens.
2. Under Select Camera, click the camera you wish to rename.
3. Under Camera ID, enter the camera name.
4. Press **OK** to save your settings.

CHANGING CAMERA QUALITY SETTINGS

To change the camera quality settings:

1. Click the **Setup** () button and then click the **Camera** tab. The Camera tab opens.

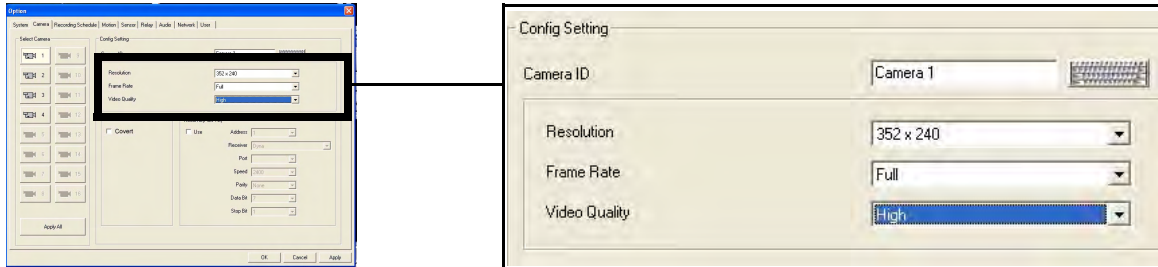


Figure 6.1 Camera Quality settings.


2. Under Select Camera, click the camera you wish to adjust video quality settings.
3. Under the Resolution drop-down menu, select the desired resolution (**352 x 240** ; **720 x 240**).
4. Under the Frame Rate drop-down menu, select the desired frame rate.
5. Under the Video Quality drop-down menu, select the desired video quality.

NOTE: Lower video quality results in longer record times.

ENABLING COVERT RECORDING

Covert recording allows you to discreetly record your events. The screen will display a black screen while the system records.


To enable Covert recording:

1. Click the **Setup** () button and then click the **Camera** tab. The Camera tab opens.
2. Under Camera Select, click the camera you wish to apply covert recording to.
3. Under the Covert check box, select the check box.
4. Click **OK** to save your settings.

CHANGING PTZ SETTINGS

If you connect a PTZ (Pan/Tilt/Zoom) camera (not included), you must configure it with the proper settings before it will work on your system. Consult your PTZ camera's manual for configuration details.


To configure PTZ settings:

1. Click the **Setup** () button and then click the **Camera** tab. The Camera tab opens.
2. Under Receiver (Pan/Tilt), click the **Use** checkbox.
3. Apply the necessary settings to your PTZ camera.
4. Click **OK** to save your settings.

Recording Schedule Tab

The Recording Schedule tab allows you to configure the recording modes for each camera.

To access the Recording Schedule tab:

- Click the **Setup** () button and then click the **Recording Schedule** tab. The Recording Schedule tab opens.

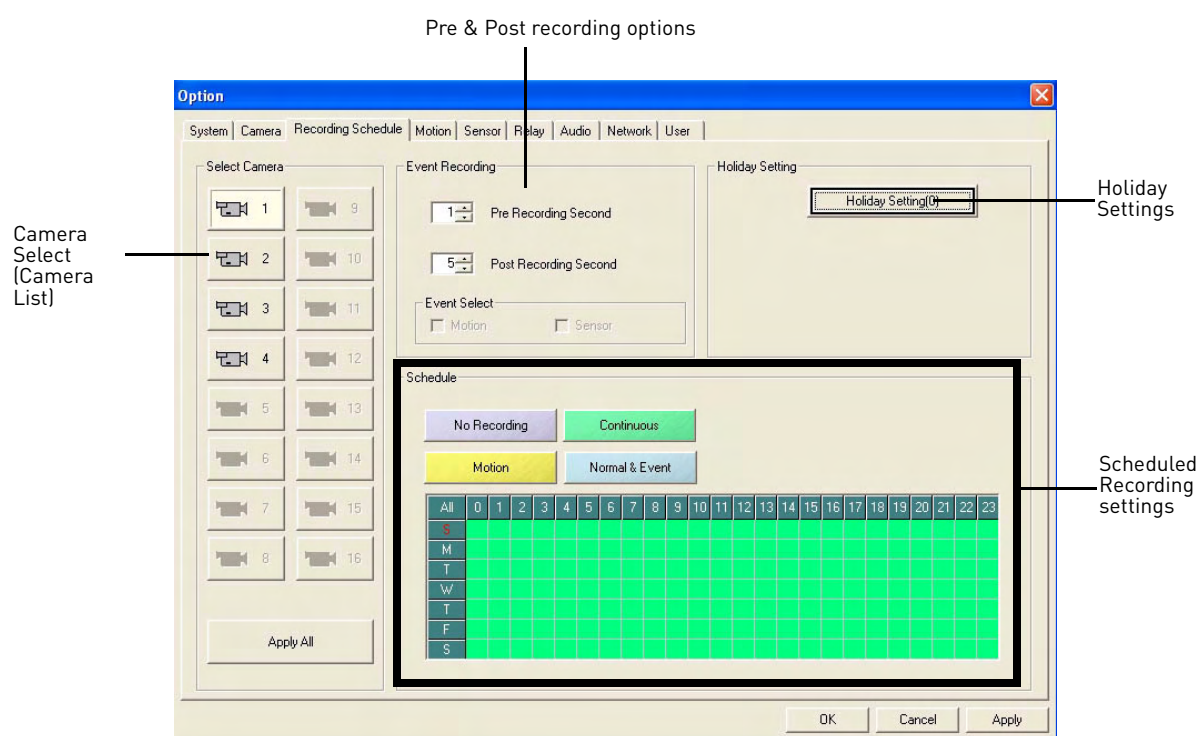



Figure 7.0 Recording Schedule tab.

ADJUSTING SCHEDULED RECORDING MODES

Scheduled Recording offers flexible recording modes that allow you to save storage space, and to specify the type of recording you want for each camera. Setting cameras to record Motion is the most common setting.

To adjust recording modes:

- Click the **Setup** () button and then click the **Recording Schedule** tab. The Recording Schedule tab opens.
- Under Select Camera, select the camera you wish to apply the settings to.



Tip!

Each camera can have individual recording schedules.

- Under Schedule, select the type of recording you wish to configure by clicking one of the Schedule buttons.

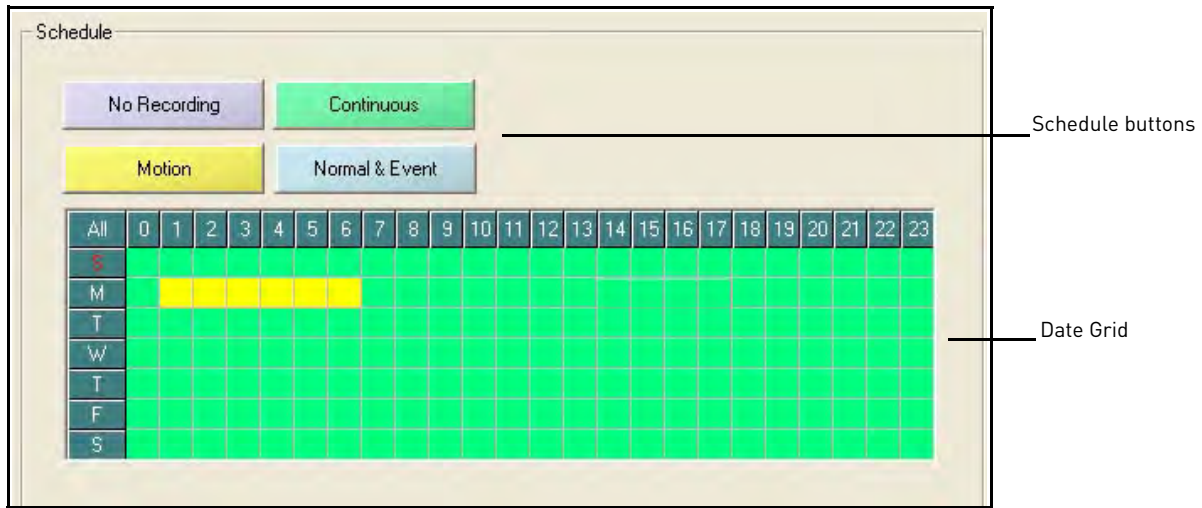


Figure 7.1 Scheduled Recording window.

Recording Modes

- **No Recording:** Disables recording.
 - **Continuous:** Records non-stop, 24-hours a day.
 - **Motion:** Records when camera detects motion.
 - **Normal & Event:** Records continuously and records Event recordings. Event recordings can be a combination of Sensor or Motion.
- Drag the mouse cursor across the day and time you wish to apply the scheduled recording in the Date Grid.
 - If required, click another schedule button, and drag the mouse cursor across the Date Grid.
 - Under Event Recording, enter the duration for **Pre Recording** and **Post Recording**.

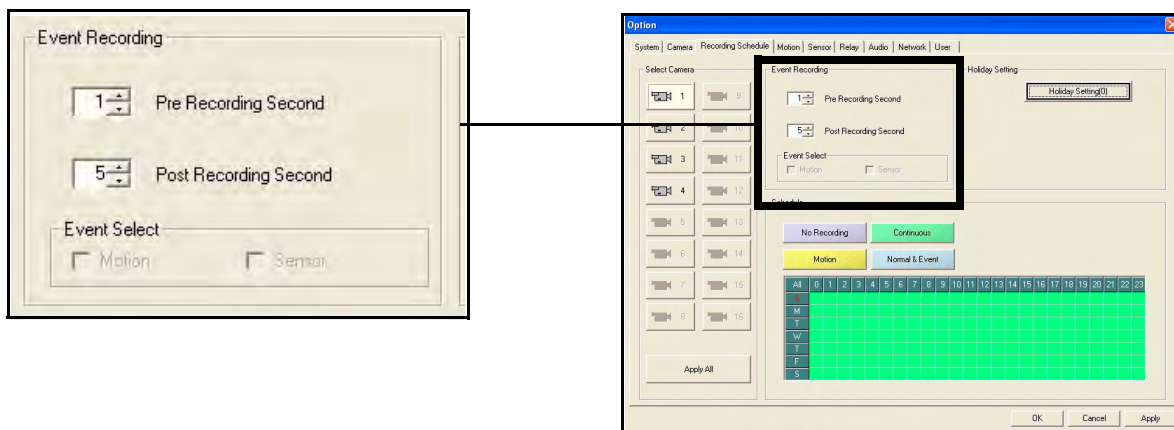


Figure 7.2 Event Recording options.

Normal & Event Recording

When recording in Normal (Continuous) and Event Recording, the camera can record in different frame rates.

For example, during Normal recording, the camera can record at 9 FPS (frames per second). But if a vehicle drives by the camera and triggers an Event recording, the camera begins recording at 15 FPS. This allows you to save hard drive space by recording higher frame videos only when an event happens.

To Enable Normal & Event Recording:

1. Click the **Normal & Event** button.
2. Under Select Camera, click the camera you want to enable Normal & Event recording.
3. Drag the cursor across the Date Grid to select what days you want to enable Normal & Event recording.
4. Under Priority Motion Recording, select the Normal recording frame rate; Under Event Recording, select the Event recording frame rate.
5. Under Event Select, select the type of recording you wish to enable (Motion or Sensor).

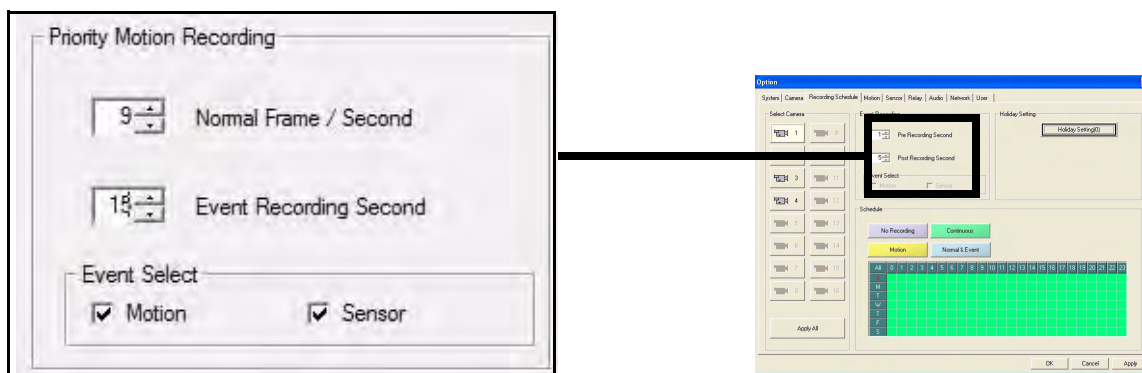



Figure 7.3 Configuring Normal & Event recording settings.

6. Click **OK** to save your settings.

Holiday Recording

Holiday Recording overrides recording settings for that particular day, and forces all the channels to record in Continuous mode. For example, if you were away between January 10th to January 12th, you may want to specify January 11th and 12th to record in Holiday mode. This means that between January 11~12, the cameras will record in Continuous mode.

To configure Holiday Recording:

1. Click the **Setup** () button and then click the **Recording Schedule** tab. The Recording Schedule tab opens.

2. Under Holiday Setting, click the **Holiday Setting** button. The Holiday Setting window opens.

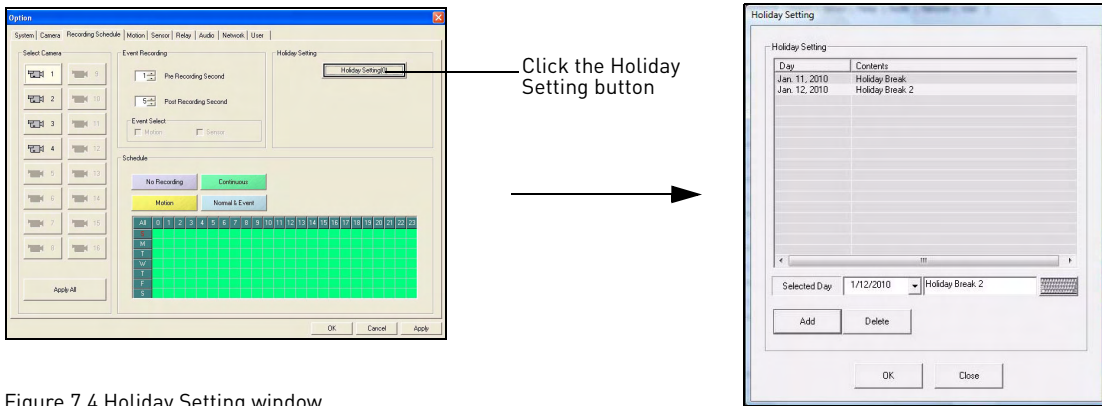


Figure 7.4 Holiday Setting window.

3. Under Selected Day, click the drop-down menu. A calendar opens.

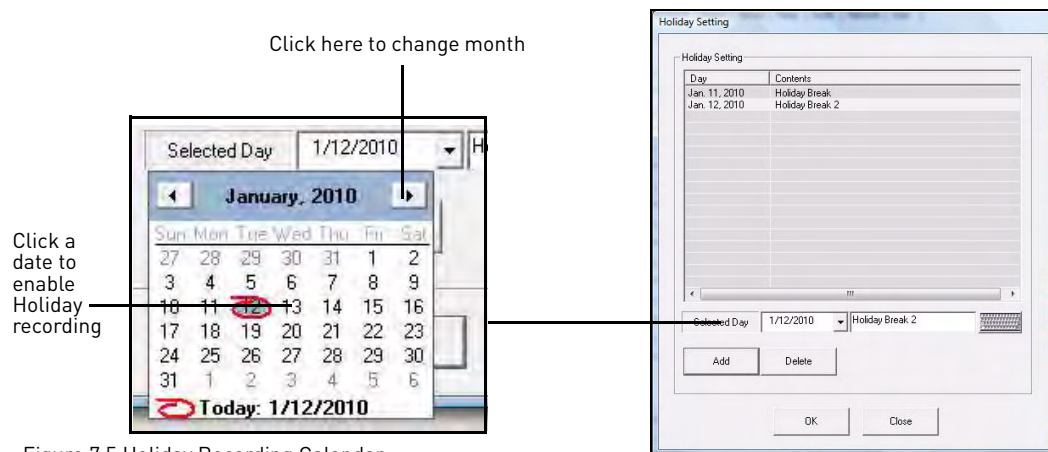


Figure 7.5 Holiday Recording Calendar.

4. Select the month and day you want the system to record in Holiday mode.
5. Type in the name of the holiday in the blank field. You cannot have duplicate names.
6. Click **Add**. Your holiday populates in the list. Click **OK** to save your settings.

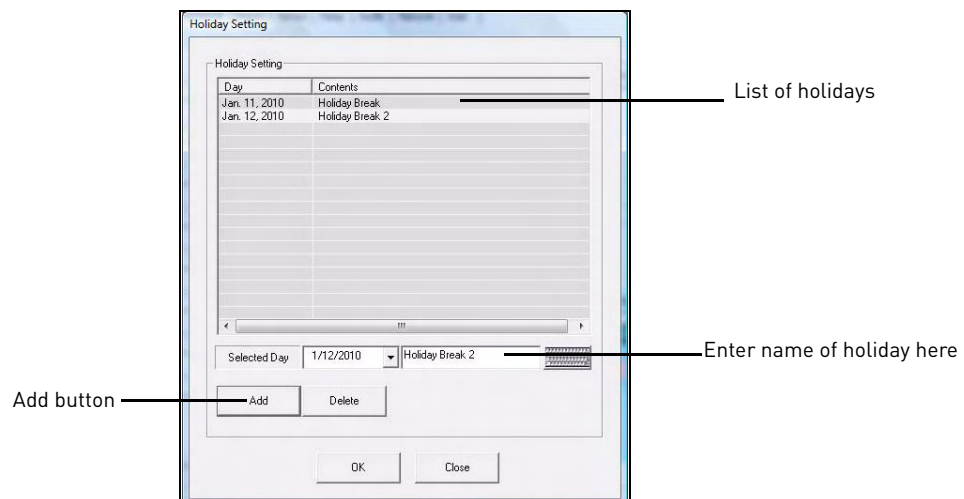


Figure 7.6 Holiday Setting window.

Motion Tab

The Motion tab allows you to configure the actions that occur when a motion recording is detected. For example, after a detection, the system can be set to launch in full screen or begin beeping.

To open the Motion tab:

- Click the **Setup** () button and then click the **Motion** tab. The Motion tab opens.

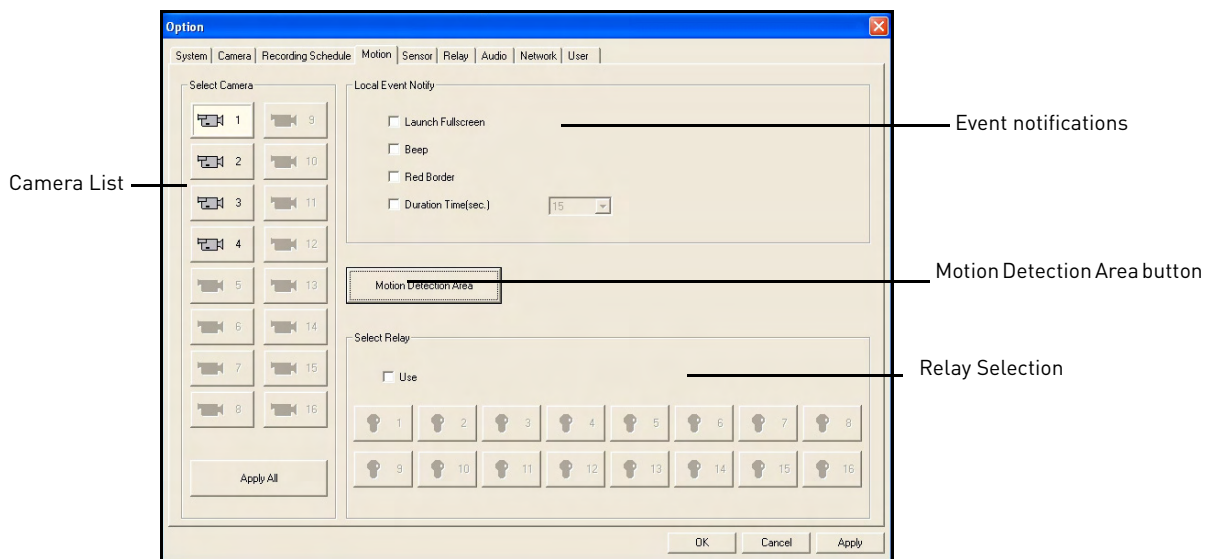


Figure 8.0 Motion tab.

CONFIGURING CAMERA NOTIFICATIONS


You can configure the type of action the system produces when motion is detected.

To configure camera notifications:

- Under Select Camera, select a camera you wish to configure.
- Under Local Event Notify, check off the events you want to occur when a system detects motion.
Choices are: **Launch Fullscreen**, **Beep**, **Red Border** and **Duration**.
Red Border means the screen highlights with a red border when motion is detected.
- Under Duration, select the check box. In the Duration drop-down menu, select the duration of how long a notification should last (5~30 seconds).
- Click **OK** to save your settings.

CONFIGURING MOTION DETECTION AREA

To configure the camera's motion detection area:

1. Click the **Setup** () button and then click the **Motion** tab. The Motion tab opens.
2. Click the **Motion Detection Area** button. The Motion configuration screen opens.

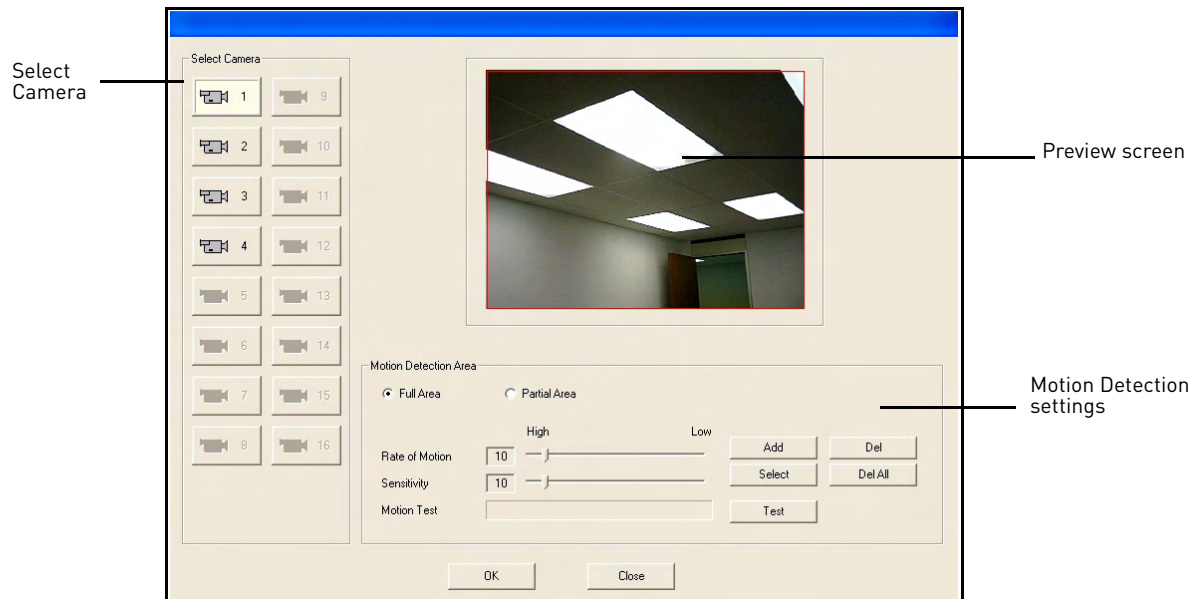


Figure 8.1 Motion configuration window.

3. Under Select Camera, select the camera you wish to apply the setting to.
4. Under Motion Detection Area, select **Full Area** or **Partial Area**.
 - If Partial Area is selected, you can select certain portions of the screen to detect motion. To select a certain portion of the screen, click the **Add** button. Next, drag your cursor in the preview screen of the area you wish to select. A box with a number appears in the selected area. Repeat to add a new selection area.

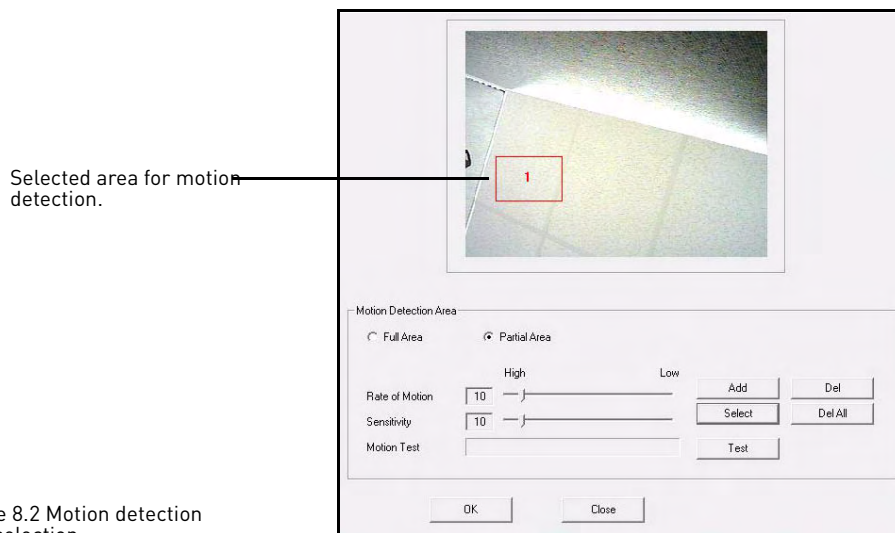


Figure 8.2 Motion detection area selection.

- Under Rate of Motion, drag the slider to increase or decrease how often the camera's threshold of detecting motion.
- Under Sensitivity, drag the slider to increase or decrease the camera's motion sensitivity.

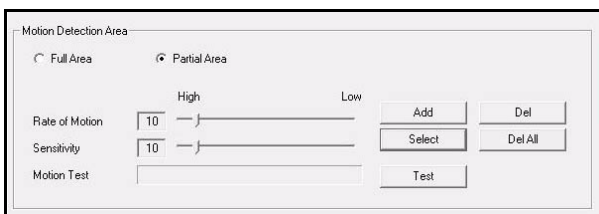


Figure 8.3 Motion Detection settings.

- Click **Test** to verify if the settings are satisfactory.
- Click **OK**, then click **OK** again on the bottom of the window to save your settings.

Audio Tab

The audio tab allows you to pair an audio channel with a camera. Use the included audio cable to connect the audio-enabled camera (not included) into the Audio-In in your system.

To configure audio settings:


- Click the **Setup** () button and then click the **Audio** tab. The Audio tab opens.
- Under Select Audio, select the audio channel you wish to apply the settings to.
- Under Audio Setting select the **Live** checkbox to listen to live audio; select the **Recording** checkbox to record audio from the channel.
 - To listen to live audio when viewing in Vista Pro 6 **Client**, click on the audio-enabled channel, then right-click and click **Live Audio Play**




Figure 8.4 Audio settings.

- Drag the Volume slider to adjust the camera input volume.
- Press the **Test** button to activate the camera microphone. Make a noise into the camera microphone to verify that the camera microphone works. Press the **Test** button when you are finished testing.
- Under Select Camera, select the camera you wish to pair the audio with.
- Click **OK** to save your settings. Click the **Live Audio** button, and the highlighted channel to listen to audio from audio-enabled cameras (not included).

Network Tab

The network tab allows you to configure E-mail notification and network settings.

To configure the Network settings:

1. Click the **Setup** () button and then click the **Network** tab. The Network tab opens.
2. Under Network Config, select the **Network Use** checkbox.
Enter the following information into the blank fields: **Live Port** (6807 default); **Playback Port** (6808 default); **Web Port** (6880 default)
3. If required, click the **Network Config** button. This is a shortcut to the control panel's network settings.
4. Click **OK** to save your settings.


CONFIGURING DDNS SETTINGS

If you have registered for a Lorex DDNS account, you can enter in your Lorex DDNS account information to remotely connect to your system using the Internet Explorer web browser.

Prerequisites:

You must set up a DDNS account. For details on how to set up a DDNS account, see "Appendix A: Viewing Your System Remotely Using DDNS" on page 65.

To configure DDNS settings:

1. Click the **Setup** () button and then click the **Network** tab. The Network tab opens.
2. Under DDNS Setting, click the **Use** checkbox. Click the **Set** button. The DDNS Setting window opens.

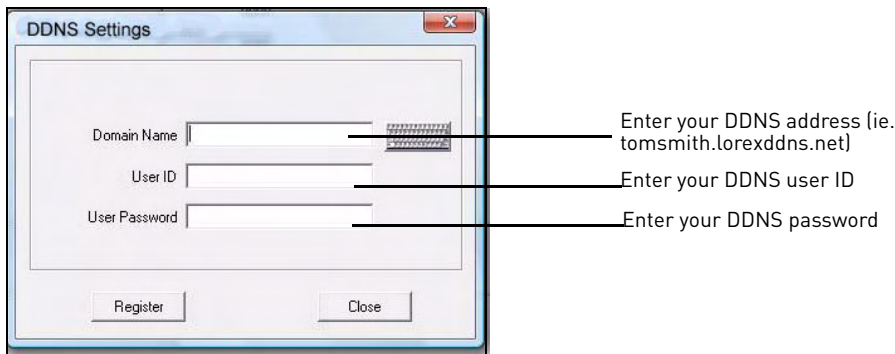


Figure 8.5 DDNS setting window.

3. Under Domain Name, enter the SUBDOMAIN of your Lorex DDNS address (ie. if your domain name is tomsmith.lorexddns.net, only enter tomsmith into the ID field)
4. Under User ID, enter in your **user ID** of the Lorex DDNS account.
5. Under User Password, enter the password of the Lorex DDNS account.
6. Click **Register**. A message should confirm a proper registration. Click **OK** to continue.
7. Using Internet Explorer, type in your Lorex DDNS address to access your system remotely.


CONFIGURING E-MAIL NOTIFICATION

The QLR460 series is capable of sending e-mail notifications if the system detects a motion event. Your system must be connected to the internet before it can send out e-mails.

Prerequisites:

Before you can use E-mail Notification, you must set up a DDNS account, and enter the DDNS information into your system. For details, see “Configuring DDNS Settings” on page 35.

To configure E-Mail notification settings:

1. Click the **Setup** () button and then click the **Network** tab. The Network tab opens.
2. Under Network Config, click the **E-Mail Set** button. The E-mail configuration window opens.

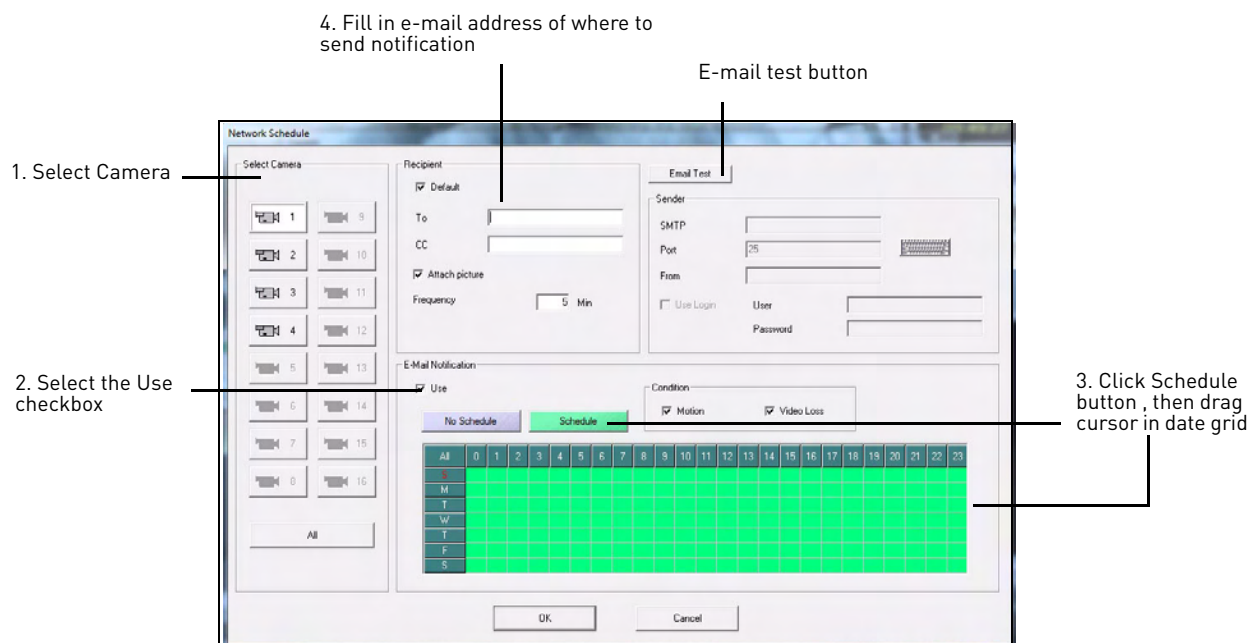


Figure 8.6 E-Mail notification configuration window.

3. Under Select Camera, click the camera you wish to apply the settings to. You can configure individual cameras you want to receive notifications if an event occurs. Click the **All** button to apply the settings to all cameras.
4. Under E-mail Notification, select the **Use** checkbox.

- Click the green **Schedule** button and then drag your cursor in the Date Grid to select what day and time you want the system to send out an e-mail notification.

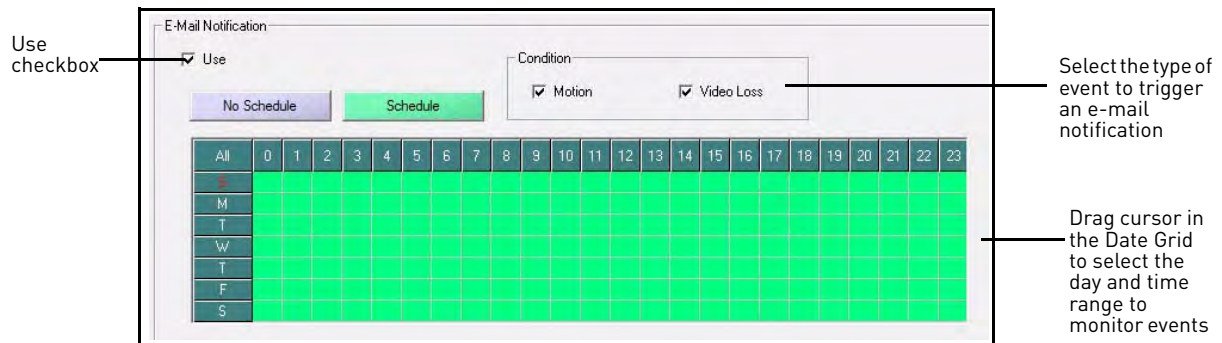


Figure 8.7 Scheduling e-mail notification time and date.

- Under Condition, select the type of event that will trigger the system to send out an e-mail alert (Choices are: **Motion**; **Video Loss**).
- Under Recipient, select the **Default** checkbox. This enables the Lorex e-mail server.
- Beside **To** and **CC**, enter the e-mail address you want the notification to be sent to.
- Beside **Attach Picture**, select the checkbox to enable the e-mail notification to send you an image of the event via e-mail.
- Beside **Frequency**, enter how many minutes in between you want notifications to be sent.

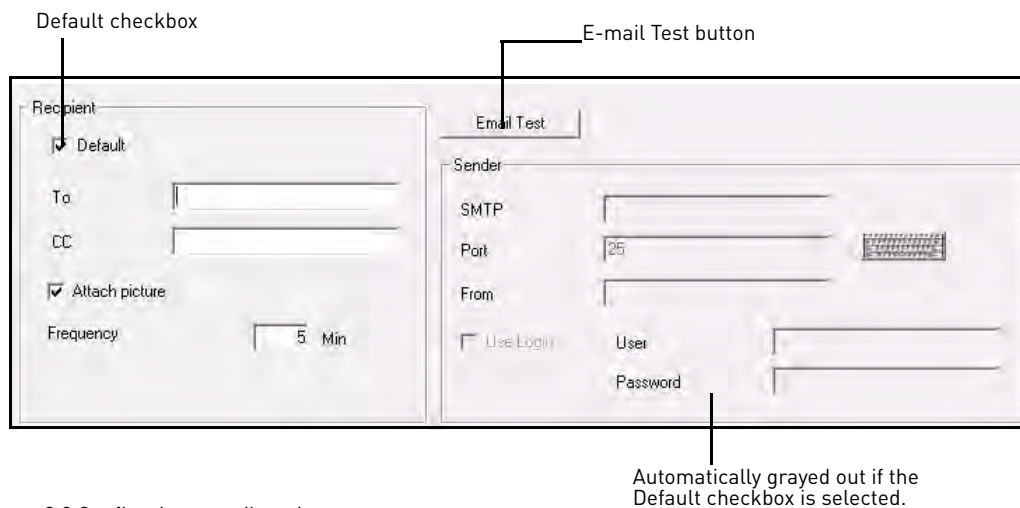


Figure 8.8 Configuring e-mail settings.

- Click the **Email Test** button to send a test e-mail.
- Click **OK** to save your settings.


NOTE: If you forward your email to your mobile phone, data charges may be applied when receiving images as attachments.

NOTE: If you wish to use a custom SMTP server, de-select the **Default** checkbox under Recipient, and enter in the SMTP, PORT, and User information.

User Tab

The User tab allows you to change the administrator password, and to add guest accounts into the system. Guest accounts are useful if you want a friend to log in to your system, but you do not want them to view all the camera channels.

To open the User tab:

- Click the **Setup** () button and then click the **User** tab. The User tab opens.

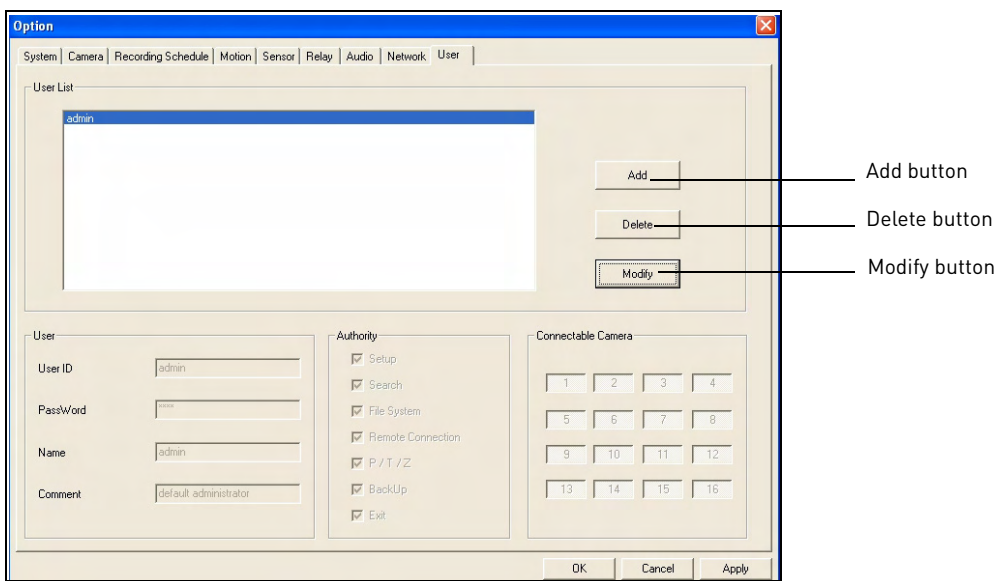


Figure 8.9 User tab window.

ADDING A NEW USER FOR VISTA PRO 6 CLIENT

To add a guest account to your system:

- Click the **Add** button. The User Management window opens.

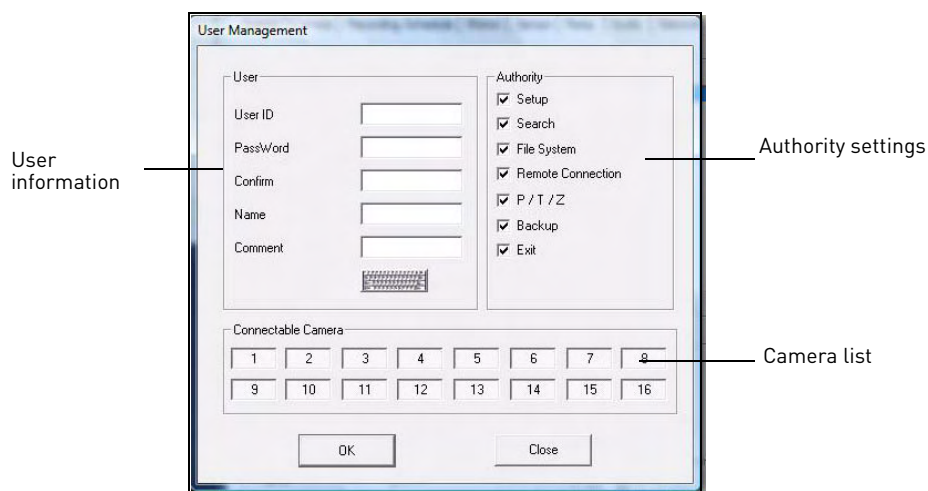



Figure 8.10 User Management window.

2. Under User, fill in the blank fields (User ID, Password, Name and Comment)
3. Under Authority, select the options that you wish to grant the user.
Options are: Setup, Search, File System, Remote Connection, PTZ, Backup, Exit
4. Under Connectable Camera, click on the number boxes to grant access to the user.
5. Click **OK** to save your settings.

REMOVING A USER


To remove a user from the system:

1. Click the **Setup** () button and then click the **User** tab. The User tab opens.
2. Select a user from the User list, then click the **Delete** button.

NOTE: You cannot delete the **admin** account.

CHANGING USER ACCOUNT PASSWORD

To modify a user's password:

1. Click the **Setup** () button and then click the **User** tab. The User tab opens.
2. Select a user from the User list, then click the **Modify** button. The User Management window opens.
3. In Password field, enter a new password. Under Confirm, re-enter the password. Under Name, enter a new name.
4. Click **OK** to save your settings.

Connecting Using A Guest Account

Once you have set up Guest account, the guest account can remotely log in to your system using Vista Pro 6 Client. Guest accounts apply to guests who log in to the system using Vista Pro 6 Client only.

For details on how to log in remotely using DDNS or Vista Pro 6 Client:

- See "Appendix A: Viewing Your System Remotely Using DDNS" on page 65.
- See "Vista Pro 6 Client Software" on page 54.

VISTA PRO 6 SERVER: SEARCHING FOR VIDEO

Search Mode allows you to search, archive, and playback recorded events from your cameras.

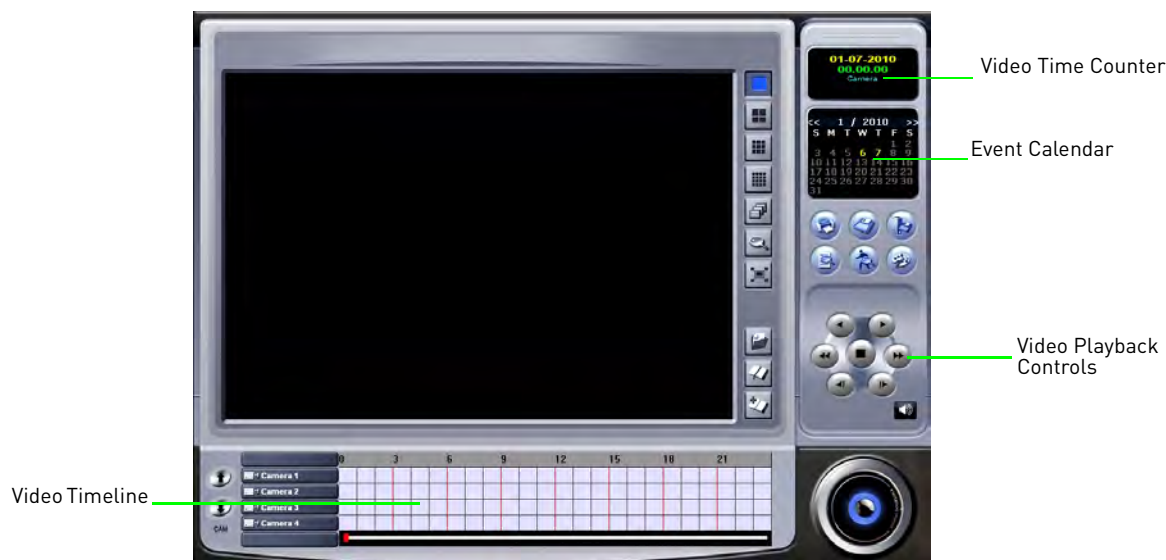



Figure 9.0 Search Mode window.

To open the Search Mode window:

- Click the **Search** button() in Live view. The Search window opens.

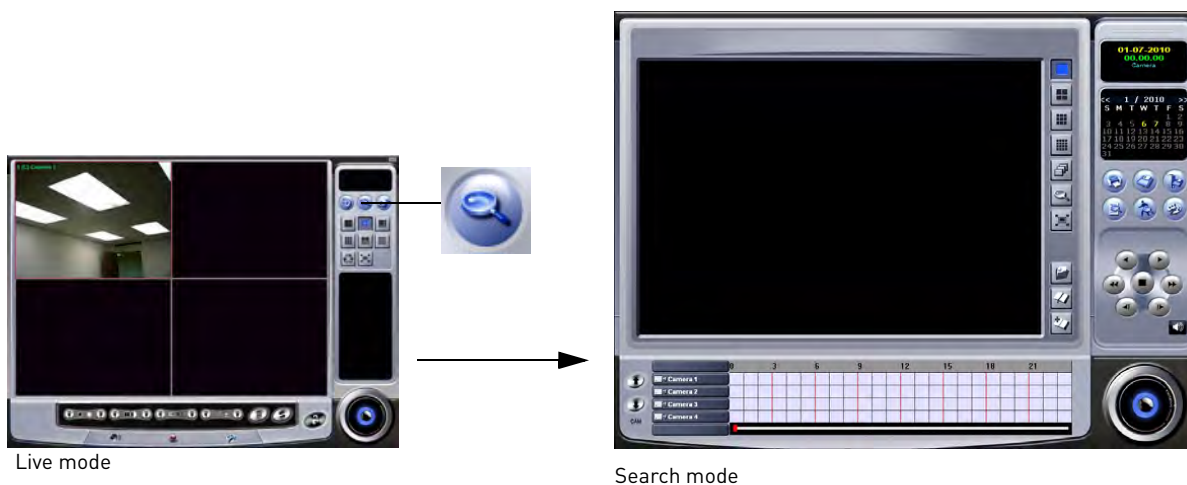


Figure 9.1 Search mode window.

USING QUICK PLAYBACK

Quick Playback allows you to view video 1~10 minutes previous to the event. For example, if the event occurred at 10:15 am, you can use Quick Playback to view events that happened at 10:00am.

To view videos in Quick Playback:

1. Right-click on the channel you wish to view events from.
2. Select how many minutes you wish to start viewing the video from. A video playback screen appears.



Figure 9.2 Quick Playback window.

3. Use the video controls to play video frame-by-frame or play video in 1x, 2x, 4x and 8x speeds.
 - To jump to a different date, use the date drop-down menus on the top-left corner of the window to change the date.

ADJUSTING VIEWING MODES

To view video in single or 4-channel mode:

- Click  to view channel in single-channel mode; click  to view video in 4-channel mode.

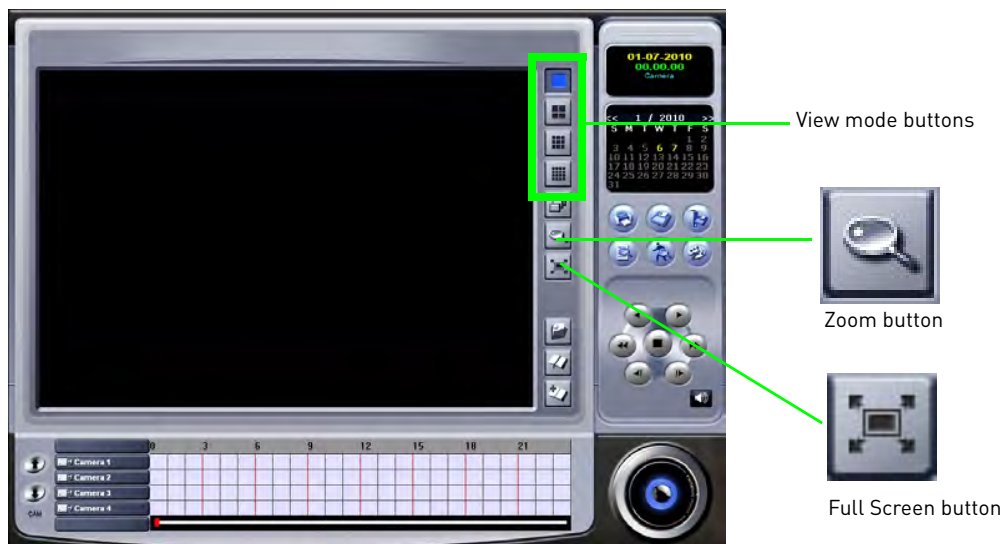


Figure 9.3 Search Mode window - Viewing modes.

MAGNIFYING VIDEO IMAGES

To magnify a video image:

- Click the Digital Zoom button (). The Zoom window opens near the top of the screen.

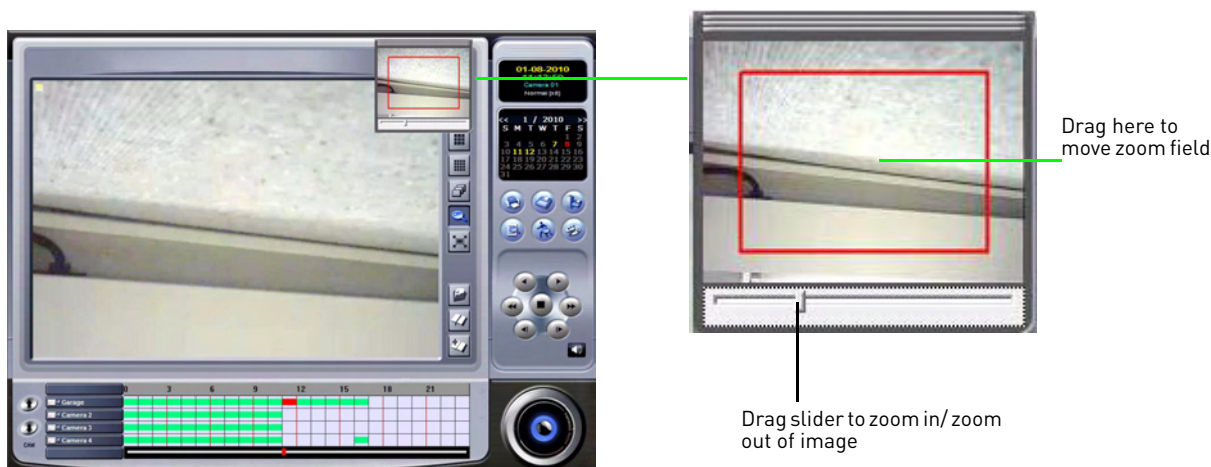


Figure 9.4 Using the Digital Zoom window.

- Drag the slider to zoom in or out of the image. Drag within the red box to move zoom location.
- Click the **Digital Zoom** button again to exit zoom mode.

VIEWING VIDEO IN PANORAMA MODE

Panorama mode breaks down a video frame-by-frame, and allows you to watch the video frame-by-frame in a 16-channel view.

To view video in panorama mode:

1. Select the day of the video by clicking the date in the Event Calendar on the top-right corner of the window.

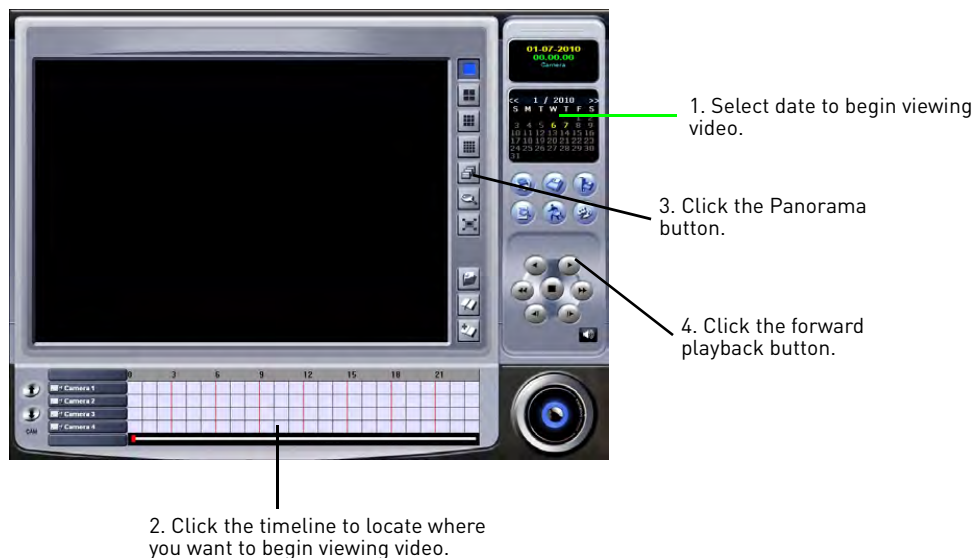




Figure 9.5 How to view video in panorama mode.

2. Click on the video timeline, and locate where you would like to begin viewing the video.

3. Click the **Panorama** button () then click the forward playback button (). The video plays frame-by-frame in a 4x4 window.

VIDEO CONTROLS

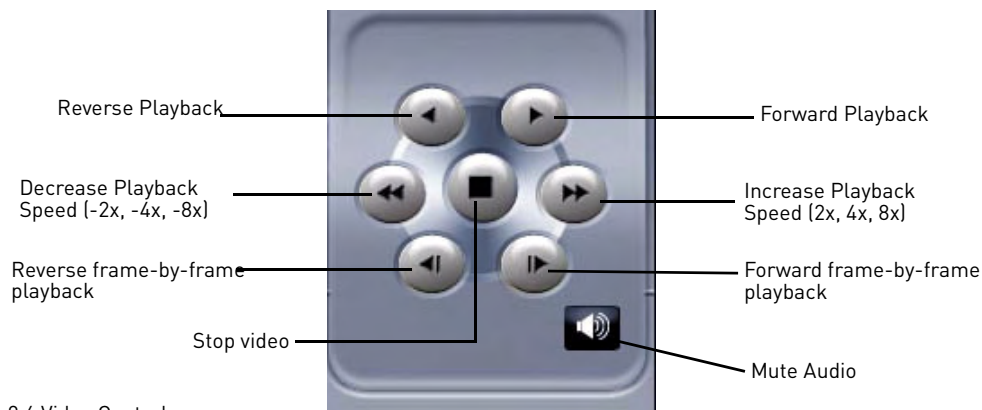
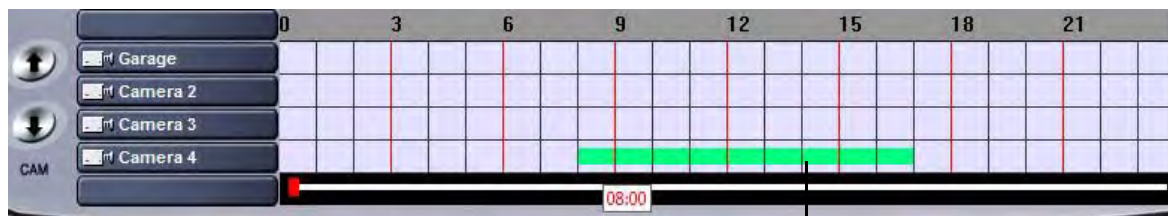


Figure 9.6 Video Controls

USING THE TIMELINE

The Timeline allows you to scan through a video by hour or minute.

Hour Mode



Double-click on green bar to browse video in minutes

Minute Mode

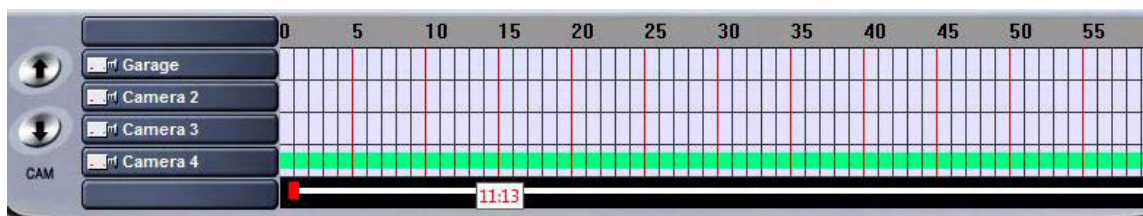


Figure 9.7 Timeline in Hour mode and Minute mode.

When you double-click a timeline, the timeline changes from an hourly-timeline to a minute-timeline. A minute-timeline allows you to navigate to a specific area of the video. When you have found the area of the video that you would like to begin to watch, click the timeline to mark the timeline in red. Next, click on the forward playback button to begin viewing the video.

BOOKMARKING VIDEO EVENTS

Bookmarking video events allows you to view a log of all important video files.

To bookmark a video event:

1. Click on the Event Calendar on the top right corner of the window. Click on the date that the event is on.
2. Use the timeline to locate the time of the event.

3. Press the **Add Bookmark** button () to mark the event. The Add Bookmark window opens.



Figure 9.8 Add Bookmark window.

4. Enter a description of the bookmark, and then click **OK**. The event is now added to the bookmark list.

5. Click the **Bookmark List** button(). The Bookmark List window opens.

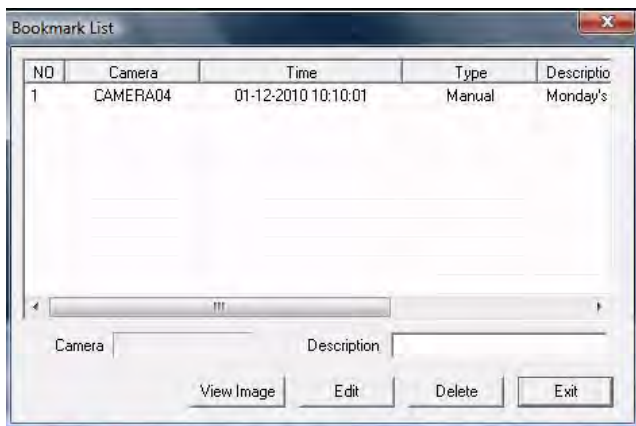



Figure 9.9 Bookmark List window.

6. Click the name of the event you wish to view, then click the View Image button. Click the **Exit**.
7. Use the Video controls to begin video playback.

PRINTING SCREENSHOTS

To print a screenshot of your video:


1. Click on the Event Calendar, and locate the date of the event.
2. Use the Timeline to locate the desired video image.
3. Click the **Print** button (). A Description window appears. Type in a description of the image. Click **OK** to continue.
4. Click the **Print Out** button. The Print window opens. Select your printer and then click **OK** to print the image.

BACKING UP VIDEO

You can back up your video archive onto CD-R/DVD-R media, or onto an external storage device such as a USB flash drive or external hard drive.

To back up your video to an external device:

1. Click on the **Event Calendar**, and select what date you wish to start recording from.
2. Select on the Timeline, where you would like to begin recording.

3. Click the **Save** button () and then click on **AVI**. The AVI Backup window opens.

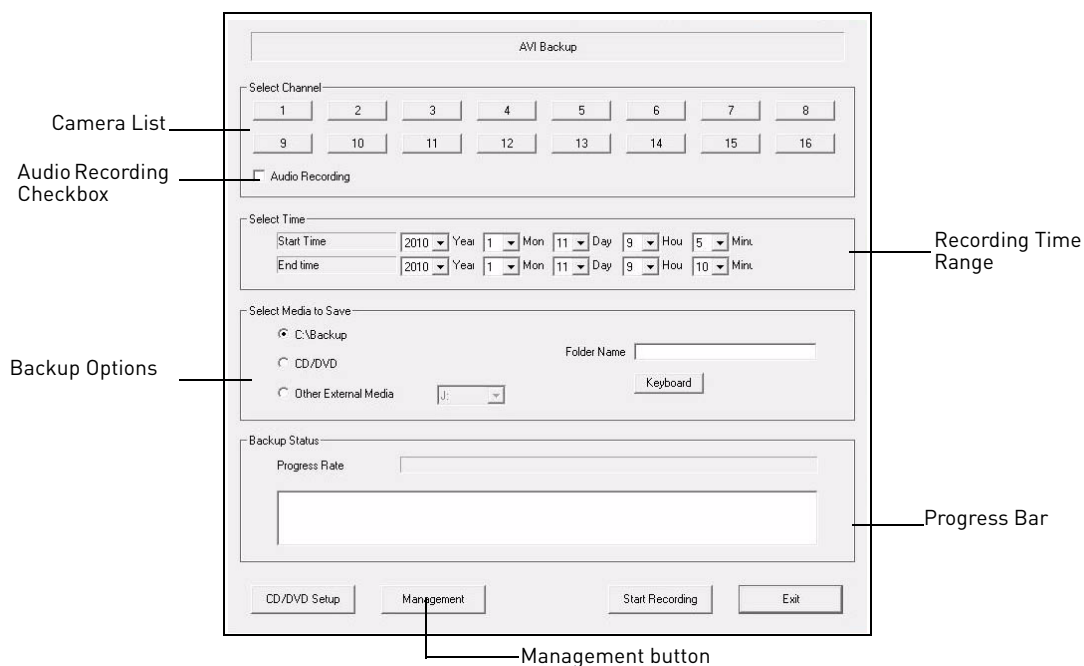


Figure 9.10 AVI Backup window.

4. Under Channel Select, select the channels you wish to back up.
 - Under Audio Recording, select the checkbox if you wish to back up audio.
 - Under Select Time, select the time range you want to back up.
 - Under Select Media to Save, select the backup media you wish to use.
5. To select a different CD/DVD writer, click on **CD/DVD Setup** and then select the desired CD/DVD burner from the drop-down menu. Click **Save** to save your changes.
6. Click the **Start Recording** button to begin backing up your data.

NOTE: The Backup Viewer software automatically copies into your storage device. This allows you to play the proprietary video in a different machine. Simply install Backup Viewer, and use Backup Viewer to browse and play the video file.

Managing Your Saved Video

To manage video files saved into the save directory:

1. Click the **Management** button. The data management window opens.

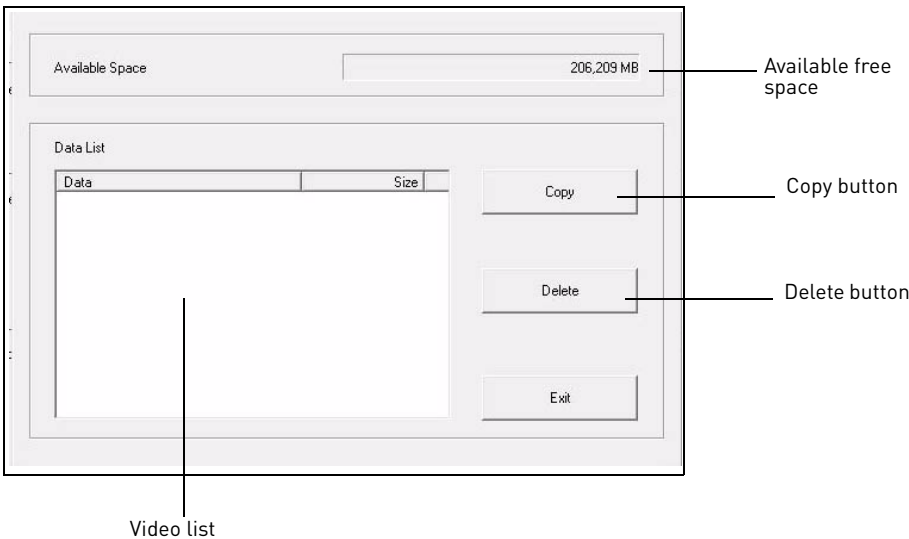



Figure 9.11 Video management window.

2. To delete a video, select a video in the Video list, then click **Delete**.
3. To copy a video to a different directory, click **Copy**. Select the directory you wish to save the video file.

Copying Videos to a CD/DVD Writer

To copy data to your CD or DVD writer:



1. Click the **Save** button () and then click on **CD Burn**.The CD Burn window opens.

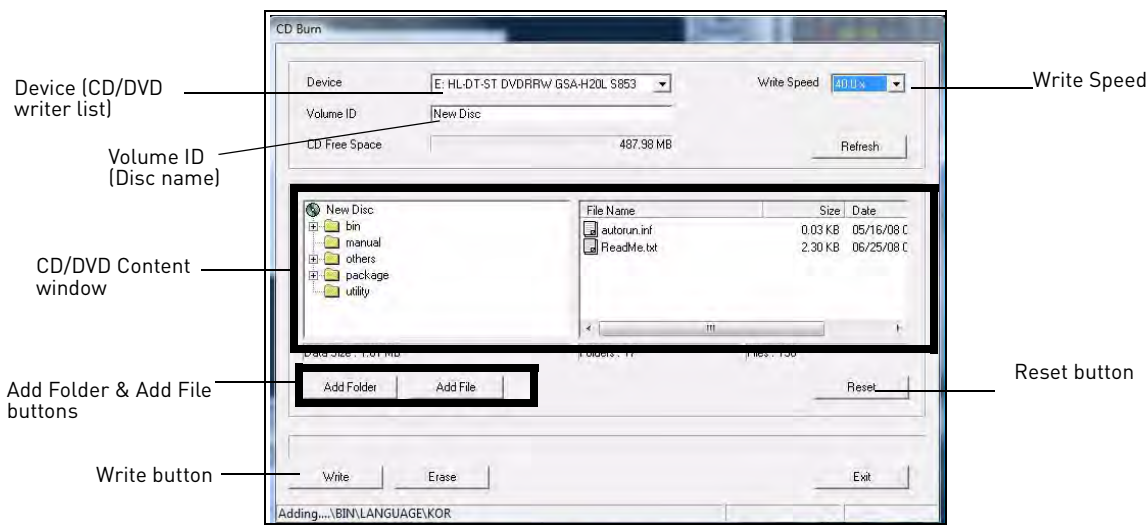



Figure 9.12 CD /DVD burning window.

2. Under the Device drop-down menu, select the appropriate CD/DVD writer.
3. Under Volume ID, enter the name you wish to name the CD/DVD disc.
4. Under the Write Speed drop-down menu on the top-right corner of the window, select desired CD/DVD write speed.
5. Click **Add Folder** or **Add File** to add content to your disc. Locate the data in the tree directory. Click **OK** when done.
6. Click **Write** to begin backing up data to your blank CD/DVD disc.

NOTE: The Erase feature only work on CD-RW and DVD-RW discs.

Saving Video Screenshots



To save a screencapture of the video:

1. Click the **Save** button () and then click on **JPEG**. The Save window opens
2. Click the directory drop-down menu on the top left corner of the window to select the save directory
3. Click **OK** to save your picture.

NOTE: Use the Image Analysis software to verify that images taken using Vista Pro 6 are genuine. See "Appendix D: Using The Image Analyst Software" on page 78.

Playing Backed Up Video

To browse for backed up videos:

1. Click the **Search** button () in Live view. The Search window opens.
2. Click the **File Browse** button () in the search window.
3. Select **Scheduled backup data** or **Manual backup data**.
 - Scheduled backup data searches only for data that has been backed up using scheduled backup
 - Manual backup data searches only for a data that has been manually backed up
4. Locate the directory of the backed up files and then click **OK**.
5. In the Event Calendar on the top-right corner of the window, select the date the event occurred. Dates with events highlight in yellow.
6. Click the timebar to select the time the event occurred.
7. Use the playback controls to view the video.

USING THE LOG VIEWER

The Log Viewer displays video events in list form. This is useful if you want to trace events that occurred.

To open Log Viewer:

1. Click the **Event Viewer** button(). The Log Viewer window opens.



Figure 9.13 Log viewer window.

2. Under Event, select the type of event you wish to search for.
3. Select the Date checkbox to search an event by date.
4. Click **Run**. The result list populates in the Log list.
5. Double-click on the event you wish to view. The image appears in the Playback window on the left. Use the playback controls to navigate video.
 - Click **Print** to print screenshot of the event.

USING SMART SEARCH

Smart Search allows you to search for patterns or similarities within a video. This can be useful when attempting to find a face or object in a video.

To open Smart Search:

1. Click the Event Calendar and locate the date of the video. Click the Timeline to locate the time of the event.

- Click the **Motion Search** button (). The Smart Search window opens.

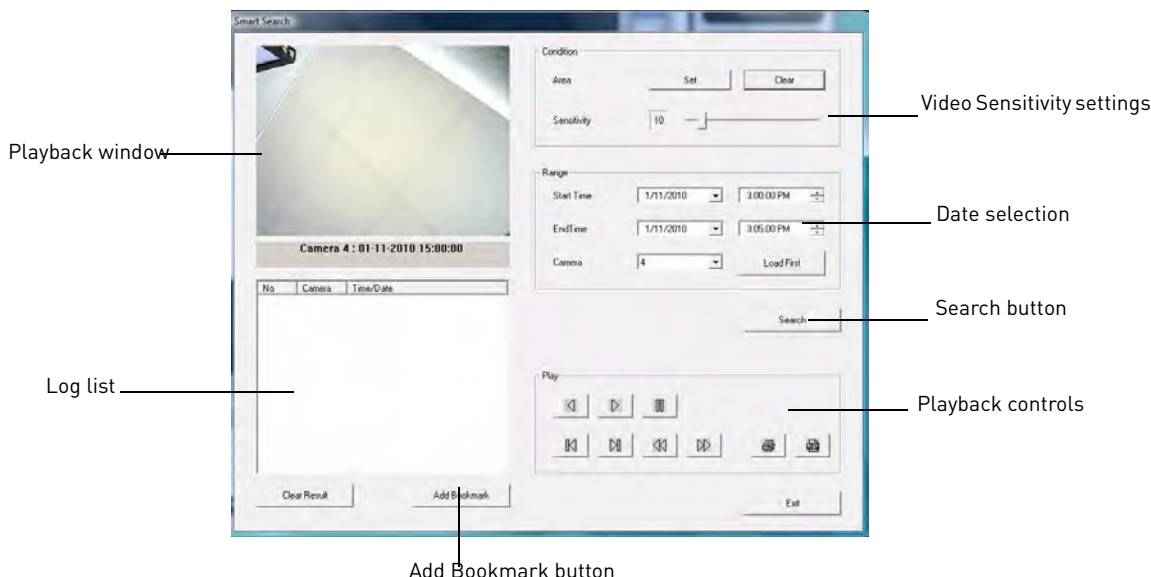


Figure 9.14 Smart Search window.

- Under Condition, click **Set**. Drag the cursor in the Playback window, and select the area you want the system to look for. The area highlights with a red box.
- Under the Sensitivity slider, adjust how sensitive you want the search.
- Under Range, select the date and time range you wish to search under.
- Under Camera drop-down menu, select which camera you want to search.
 - Click **Load First** to find the first immediate event that matches your search criteria.
 - Click **Search** to populate a list of results in the Log list.
- Select an event from the Log list. Use the play controls to navigate video.
 - Click the **Add Bookmark** button to add the even to the Bookmark List.
- Click the **Print** button to print the particular screen in the Playback window; or click the **Jpeg** button to save the image as a Jpeg image.

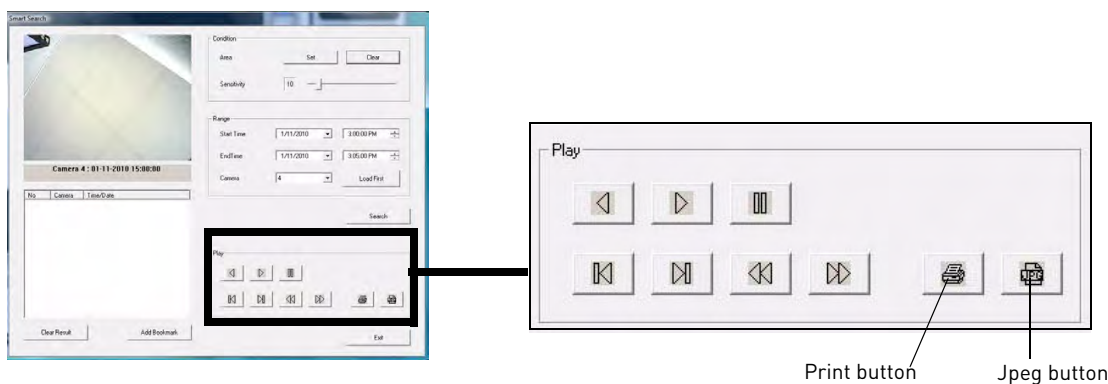




Figure 9.15 Printing images: Print and Jpeg buttons in Smart Search mode.

ADJUSTING VIDEO COLORS AND CONTRAST

To adjust video color when the video is paused:

1. Click the **Color Control** button (). The Image Adjuster window opens.
2. Use the sliders to adjust Brightness, Contrast and Hue.
3. Use the  buttons to adjust blur, sharpness, and black and white.

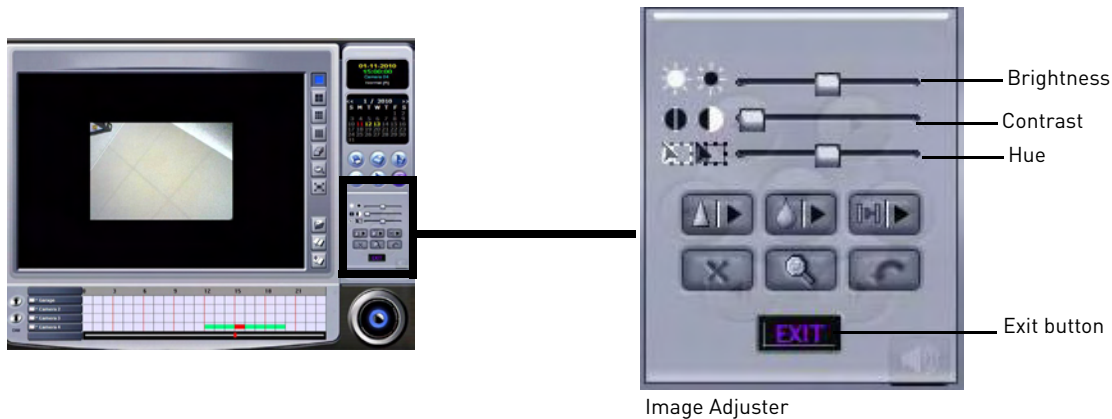




Figure 9.16 Image Adjuster window.

4. Use the buttons  to Undo, Zoom, or Revert Image to default settings.

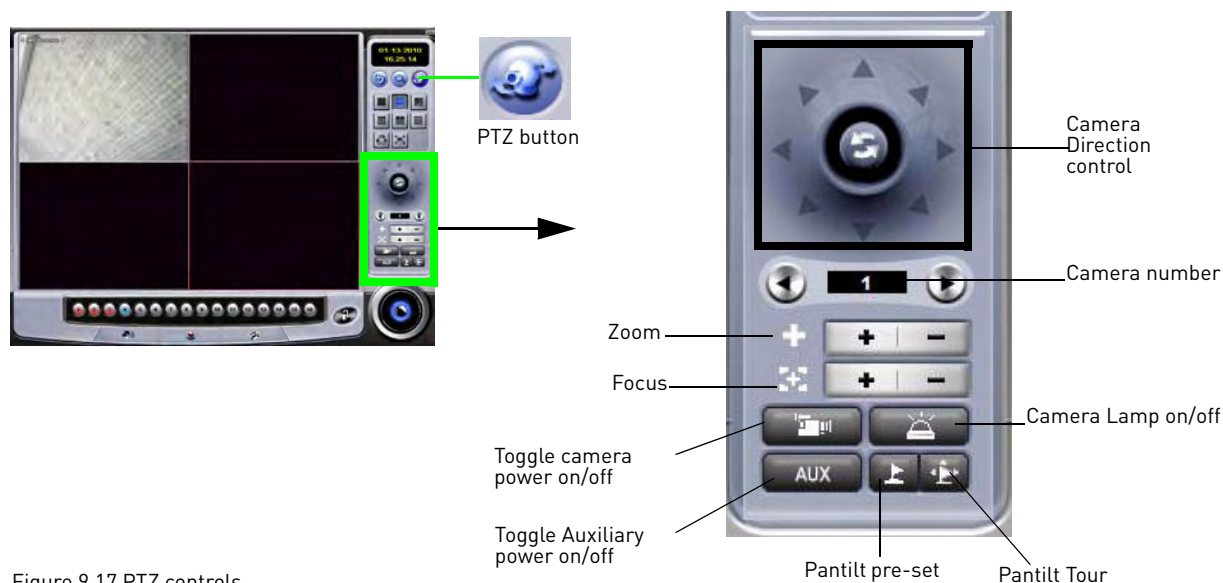
NOTE: You can move the Image Adjuster window by dragging it.

USING PTZ CONTROLS

- To control your PTZ (Pan/Tilt/Zoom) cameras (not included), click the **PTZ** button () to open the PTZ menu



NOTE: For details on PTZ controller card installation, see “Appendix G: Installing a PTZ Controller Card” on page 81.

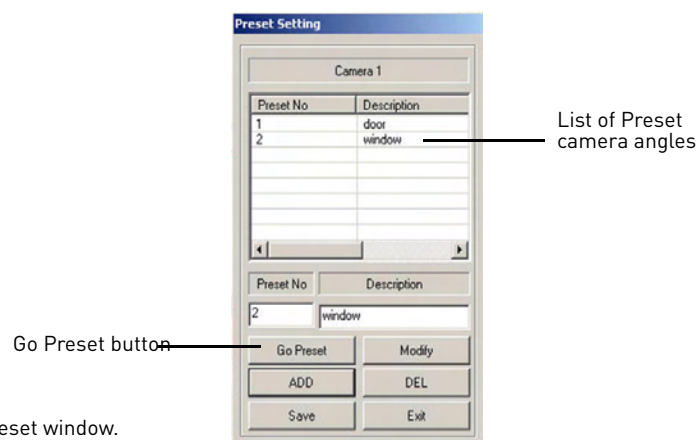
NOTE: You must be in Viewing mode to access PTZ controls. PTZ cannot be accessed during Search mode



CONFIGURING PTZ PRE-SET SETTINGS

To configure your PTZ camera's pre-set settings:

1. Click the **Use Pantilt** button () to open the PTZ controls.
2. Click the Pantilt Preset button (). The Pantilt Preset window opens.




3. Under the **Preset No** field, enter the preset number (ie. Preset no. 1 can be the front door, Preset no. 2 can be the side windows).
4. Under the **Description** field, enter the area that the camera will point to (ie. Front Door).
5. Go back to the PTZ control, and point the camera to the desired camera angle.
6. In the Preset window, select the camera number you wish to apply the setting to.
7. In the Preset window, click **Add** and then click **Save**.

Configuring PTZ Touring Settings

After you have configured your pre-set settings, you can combine those settings into touring mode. Touring mode allows to add multiple pre-sets into one setting.

To configure the PTZ Touring Settings:

1. Click the **Pant Tilt Tour** button (). The Pan Tilt Touring setting window opens.

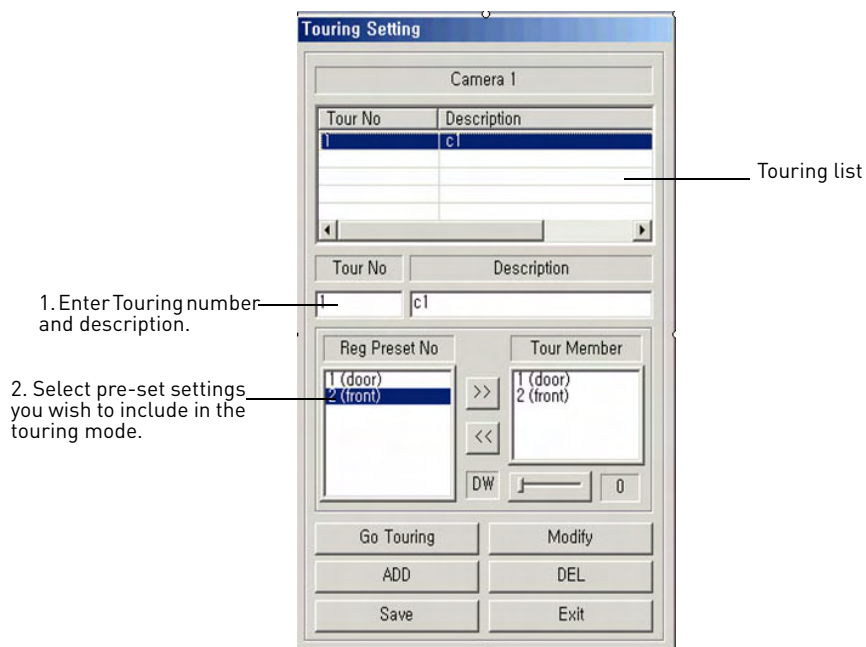



Figure 9.19 Touring Setting window.

2. Under the Tour No and Description field, enter the touring number and description (ie. touring number 1, front door)
3. Under Reg Preset No, select the pre-set settings and then click  to add the pre-set function to the list.
4. Click **Add** then click **Save** to save your settings.
5. Double-click the Touring List for the PTZ to begin touring mode.

VISTA PRO 6 CLIENT SOFTWARE

Vista Pro 6 is a remote viewing software that allows you to monitor your system remotely. Simply install the Vista Pro 6 Client in any computer to connect to your system. The advantage of using the Vista Pro 6 Client is the ability view, search videos and configure your system remotely.

To open Remote Viewing:

1. Double-click the Vista Pro 6 Client icon, or open the Vista Pro 6 Client program in your Programs list. The Vista Pro 6 Client log-in window opens.

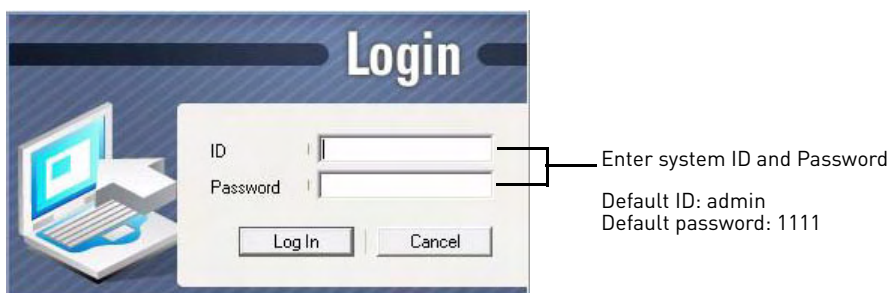


Figure 10.0 Vista Pro 6 Client login window.

2. Under ID, enter **admin**; under Password, enter **1111**. Press **Log In** to start Vista Pro 6 Client.

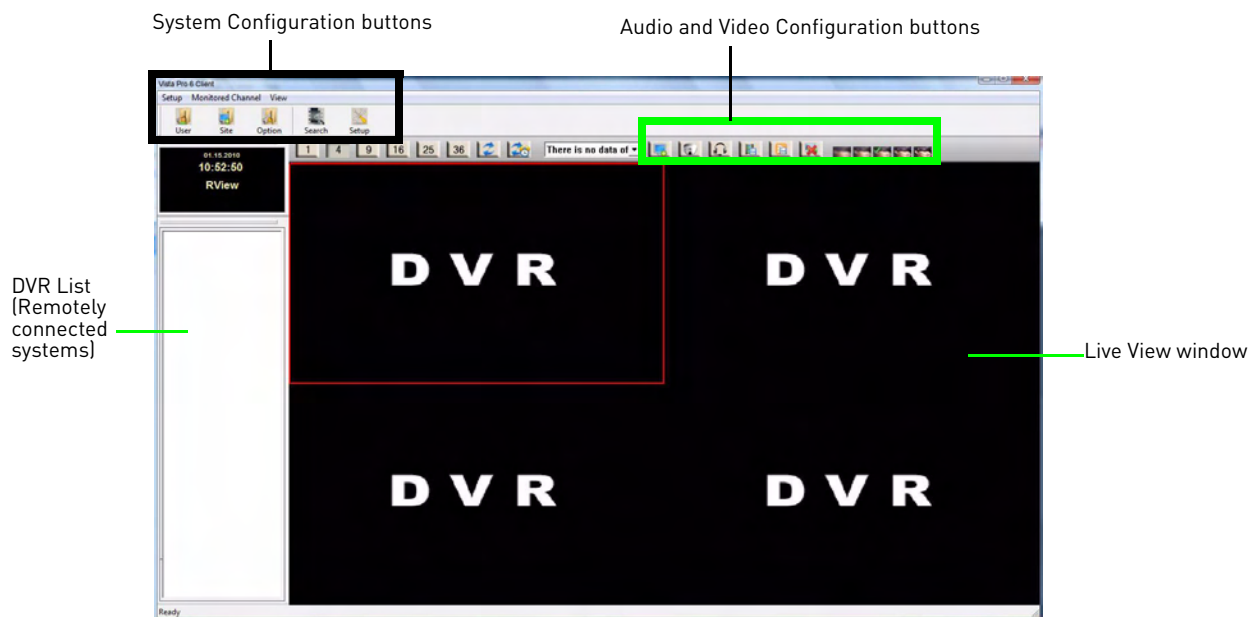


Figure 10.1 Vista Pro 6 Client main window.

CONNECTING TO YOUR SYSTEM

Before you can connect to your system:

- Obtain a DDNS address
- Obtain your DDNS user name and password
- Port forward port **6807**, **6808**, **6880** on your router

For details on how to obtain a DDNS address, see “Appendix A: Viewing Your System Remotely Using DDNS” on page 65.

To connect to your system remotely using Vista Pro 6 Client:

1. Click the **Site** button() near the top of the window. The Site Setup window opens.

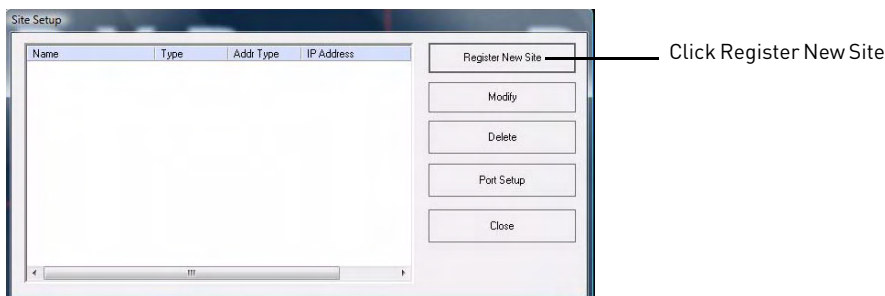


Figure 10.2 Site Setup window

2. Click **Register New Site**. The Site Setup window opens.

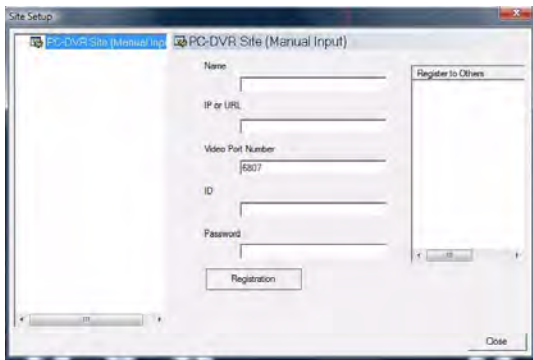


Figure 10.3 Entering DDNS information: Site Setup window

3. Enter the following into the blank fields:
 - Under Name, enter the name of the system (this can be any name you wish)
 - Under IP or URL, enter the **DDNS address** you set up earlier (ie mylorexivr.lorexddns.net)
 - Under Video Port Number, enter **6807** (default video port number)
 - Under ID enter the your system’s ID (default: **admin**)
 - Under Password enter your system’s password (default: **1111**)
 - Optional: Under Register to Others, select other accounts that can connect to your system
4. Click **Register** to complete setup, and to connect to your system.

VIEWING VIDEO ON VISTA PRO 6 CLIENT

Once you have connected to your system, Vista Pro 6 Client displays a blank screen with the text "DVR" on the Live View window. A list of connected systems and cameras appear on the left of the window.

To connect your cameras to Vista Pro 6 Client:

- Drag a camera from the camera list to one of the channels in the Live View window.

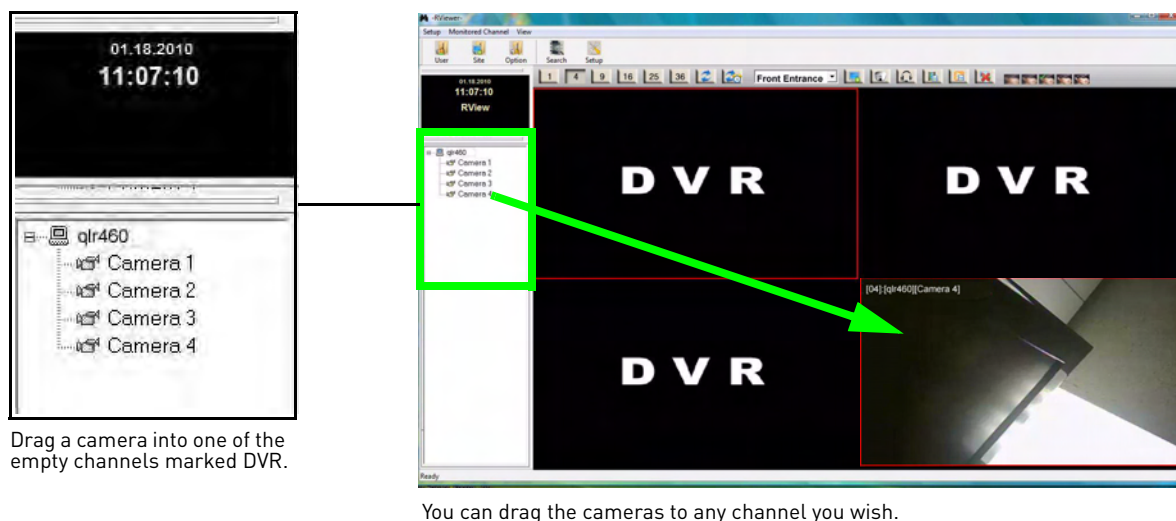





Figure 10.4 Enabling cameras on Vista Pro 6 Client. Drag the desired camera into a channel to begin viewing.

- To disconnect from all the cameras, click the **All Disconnect** button() near the top of the window.
- To hide the Camera List, click **View** near the top of the window, and then click **Hide Tree**.


SEARCHING FOR VIDEO USING VISTA PRO 6 CLIENT

To search for video, click the **Search** button () near the top-left corner of the window. The search menu is identical to the local viewing software. For details on operating the Search menu, see "Vista Pro 6 Server: Searching For Video" on page 40.

CONFIGURING YOUR SYSTEM USING VISTA PRO 6 CLIENT

To configure your system remotely, click the **Setup** button() near the top-right corner of the window. The setup menu is identical to the setup tabs in the local viewing software. For details on using the setup menu, see "Vista Pro 6 Server: Viewing Mode" on page 11.

CONFIGURING VISTA PRO 6 CLIENT SETTINGS

To open the Vista Pro 6 Client option window, click the **Option** button ().

The Vista Pro 6 Client Setup Window

The Option Setup window allows you to configure how information displays in Vista Pro 6 Client, and configure other basic settings.

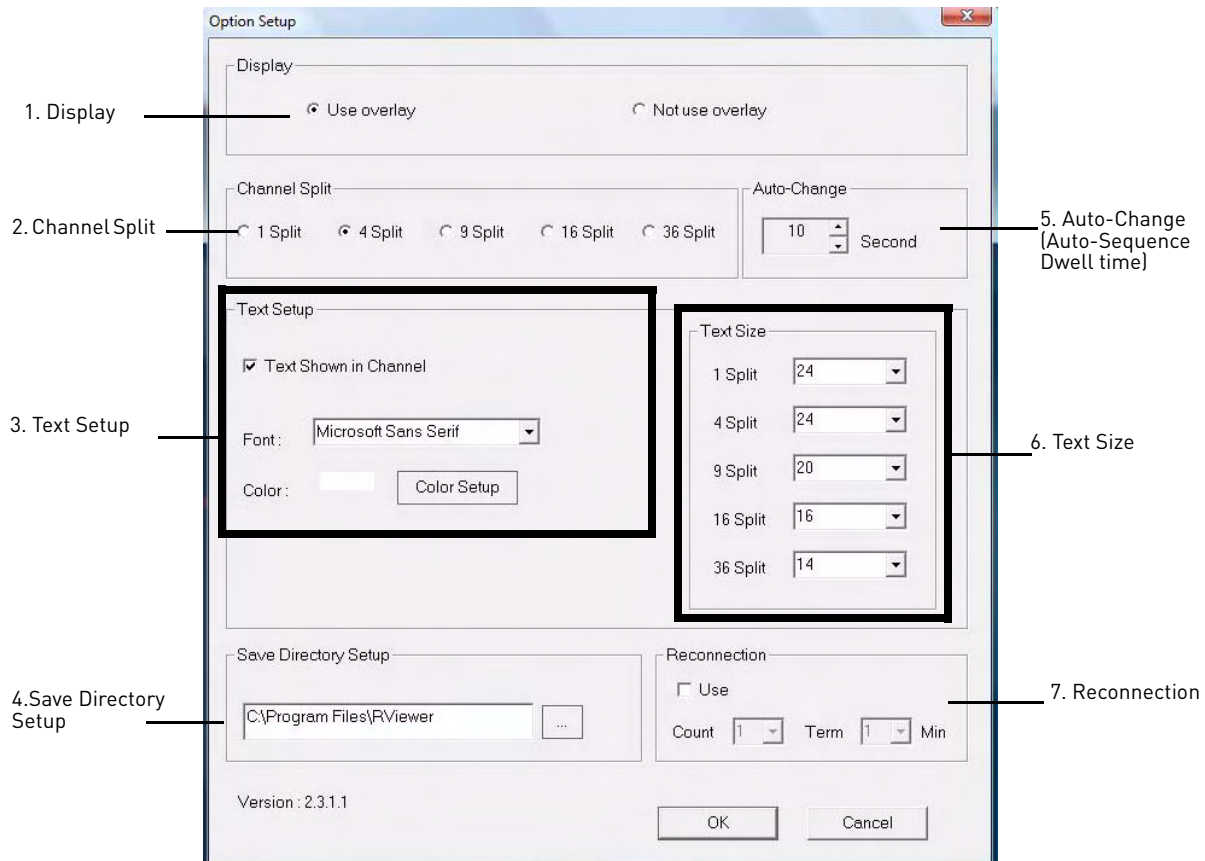



Figure 10.5 Option Setup window.

- 1. Display:** Configures the overlay display, for example camera name and channel.
 - Select **Use overlay** or **Not use overlay** to enable/disable overlay display.
- 2. Channel Split:** Configure how many channels Vista Pro 6 Client should start up with.
 - Select 1 Split; 4 Split (default); 9 Split; 16 Split; 36 Split
- 3. Text Setup:** Allows you to change the font style when overlay is enabled
 - Select the **Text Shown in Channel** textbox, then select a font from the Font drop-down menu
 - Click the **Color Setup** button to select desired text color
- 4. Save Directory Setup:** Select the default save directory of saved videos.
 - Click  to open a directory tree, and then select your desired save location.

5. **Auto-Change:** Adjusts the Auto-Sequence dwell-time between changing camera channels
 - Use the up/down arrows to adjust the number of seconds you would like the screen-dwell to be (between 0~60 seconds).
6. **Text Size:** Adjusts the font size of the overlay display, depending on how many channels are displayed.
 - Under the drop-down menus, select the font size you would like for the specified channel.
7. **Reconnection:** Adjusts the frequency of how often Vista Pro 6 Client should attempt to reconnect to the system during a network interruption.
 - Select the **Use** checkbox. Under the **Count** drop-down menu, select how many times you want Vista Pro 6 Client to attempt to connect in a given time. Under the **Term** drop-down menu, select the interval Vista Pro 6 Client should attempt to connect (ie every 1 minute or every 10 minutes).

VIEWING MULTIPLE DVRS AND SYSTEMS

You can view multiple systems using the Group function. For example, if you had multiple systems configured in different locations, you can view cameras from each of the systems. You must be connected to the systems before you can view video feeds.

To view multiple systems using Vista Pro 6 Client:

Adding and Deleting a User

1. Click **Setup** on the top-left corner of the window, then click on **Group Setup**. The Group Setup window opens.

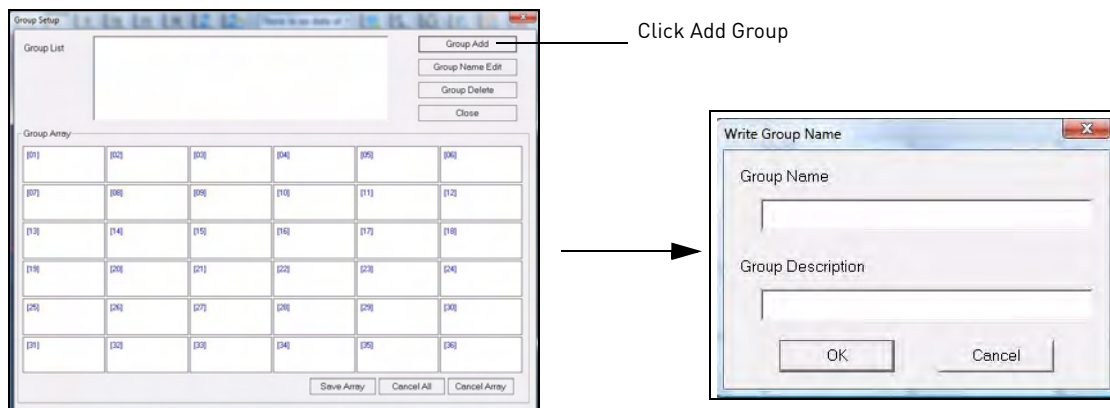


Figure 10.6 Group Setup window.

2. Click the **Add Group** button. The Group Name window opens.
3. Under Group Name, enter the name the system you are connecting to.
4. Under Group Description, enter a description of the system.
5. Click **OK** to save your settings.

NOTE: To delete a group, select the group, then click the **Delete group** button.

Add Cameras to the User List

Once you have created a user account, you can add cameras to the user list.

To add cameras to the user list:

1. Click **Setup** on the top-left corner of the window, then click on **Group Setup**. The Group Setup window opens.
2. Beside Group List, select the name of the user group. A camera list populates on the left.
3. Under the camera list on the left, drag the desired cameras into the empty channel boxes.

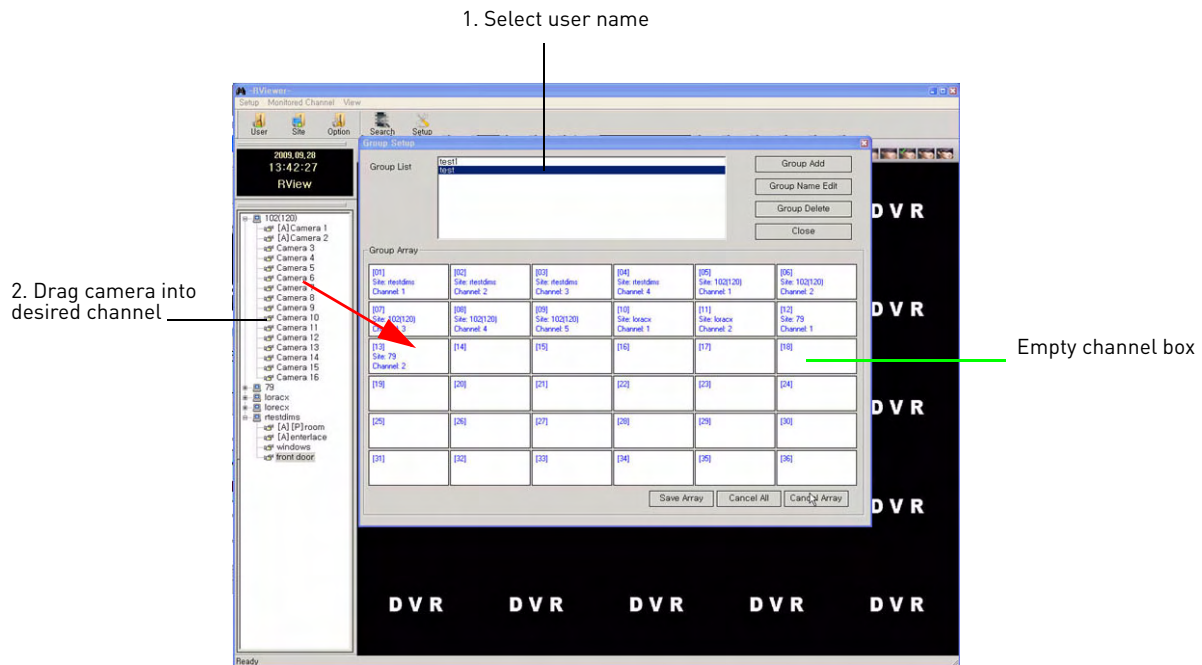


Figure 10.7 Adding cameras to a group.

4. Click **Save Array** to save your changes.

Viewing Group Channels

To view the group channels that you created:

1. Select the group drop-down menu, and choose the name of the group.

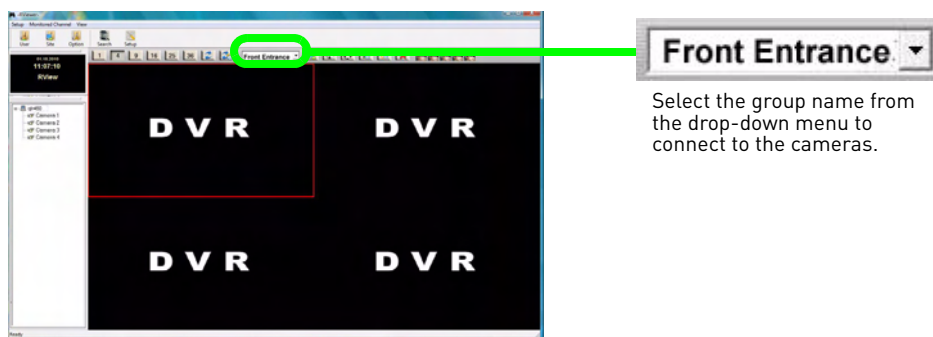


Figure 10.8 Viewing Group channels.

2. A confirmation window opens. Click **Yes** to connect and view your cameras.

CONFIGURING PTZ SETTINGS

To configure PTZ cameras (not included) connected to the system:

- Click the PTZ button () to open the PTZ menu.

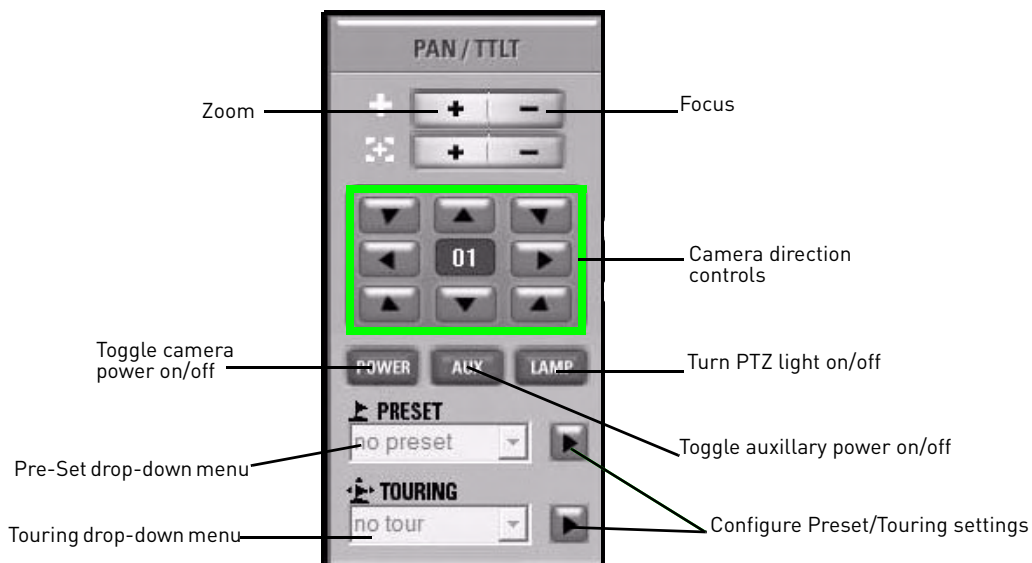



Figure 10.9 PTZ controls.

- For details on how to configure PTZ Preset and Touring settings on your system, see “Using PTZ Controls” on page 51.

SAVING VIDEO

To save a video clip while watching an event:

- Click on the channel you wish to record. The channel highlights with a red box.
- Click the **AVI Save** button () to begin recording. Click the button again to stop recording.

NOTE: The video is saved into the default save folder C:\Program Files\Vista Pro 6 Client

CAPTURING A SCREENSHOT

To capture a screenshot while watching an event:

1. Select the channel you wish to capture a screen shot of. The channel highlights with a red box.




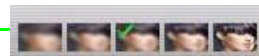
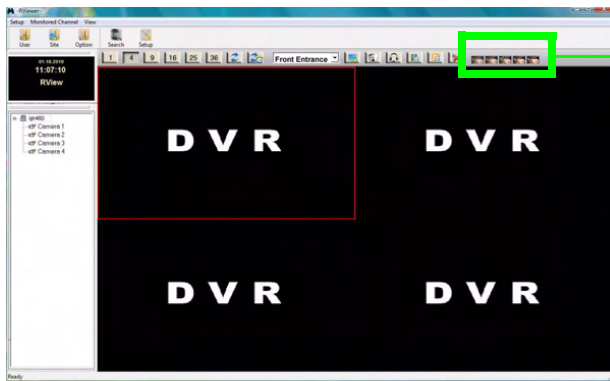
2. Click the **Still Image Save** button (). An image preview window opens. Click **Save** to save the image to the default directory.

ADJUSTING VIDEO STREAMING QUALITY

If your live streaming videos are slow or choppy, try changing the quality of the video. Higher quality videos lead to sharper images, but slower frame rates. Lower quality videos lead to average image quality, with fast frame rates.

To adjust video quality:

- Click the **Image Quality** button () and select the desired quality.



Select the desired quality level. A green checkmark confirms the selection

Figure 10.13 Configuring Image quality.

ADDING AND MANAGING MULTIPLE USER ACCOUNTS

You may have more than one user that can access your system.

To add a new user to a system:



1. Click the **User** button (). The User Setup window opens.
2. Click the **Add** button. A second User Setup window opens.
3. Fill in the desired User name and Password fields.
4. Select the **Authority to CMS Setup** checkbox if you wish to grant the user access to system setup settings.
5. Under the List of Accessible Sites list, select the sites the user is allowed to manage.
6. Click **OK** to save your settings.

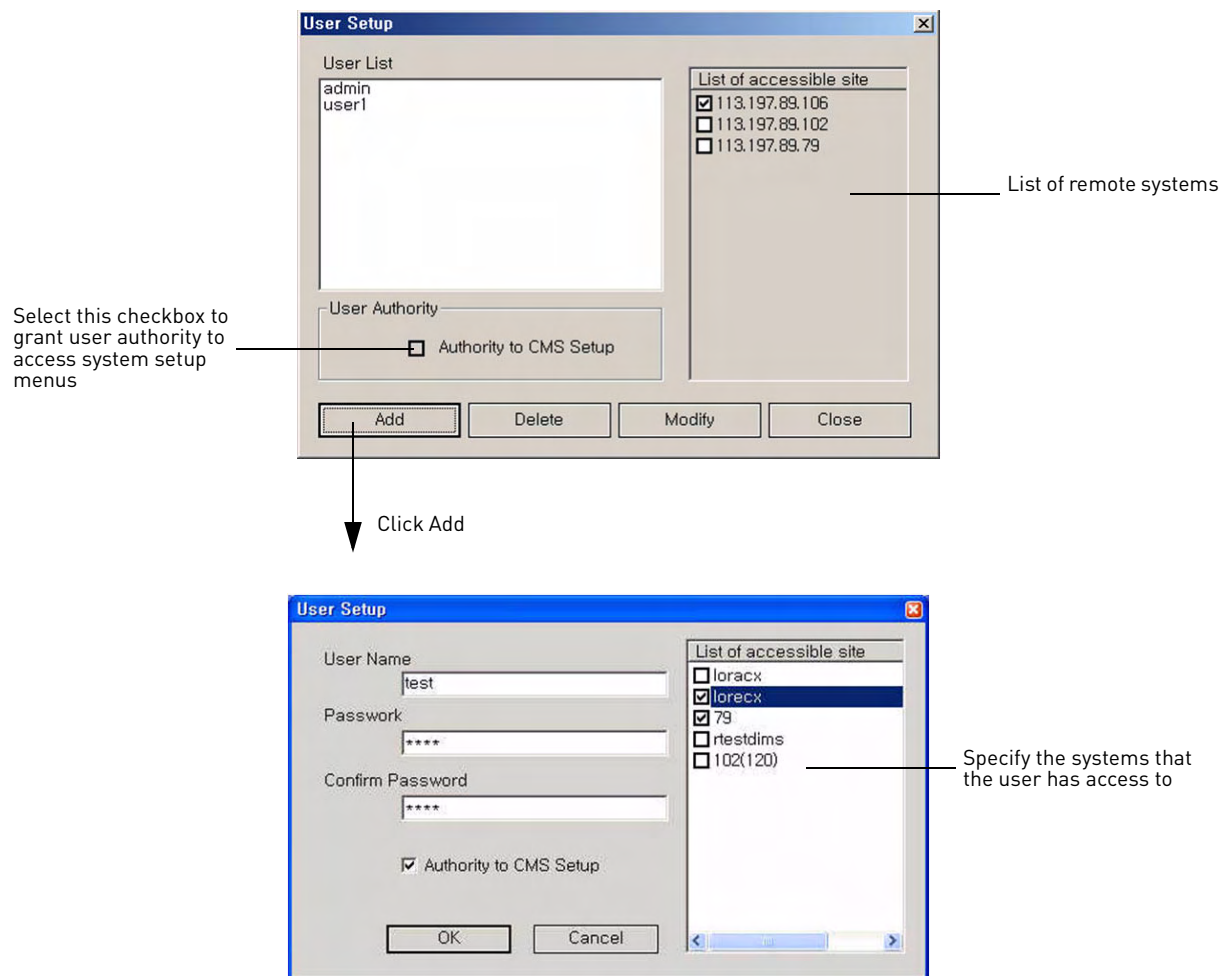



Figure 10.14 User Setup windows.

Deleting User Accounts

To delete a user account:

1. Click the **User** button (). The User Setup window opens.
2. Select the user you wish to delete under the User List. Click the **Delete** button.

NOTE: You can only delete one user at a time.


NOTE: The **admin** account cannot be deleted.

ADDING MULTIPLE SITES

You can manage multiple systems using Vista Pro 6 Client. For example, if you own several grocery stores with QLR460 series systems in place, and wish to monitor all of your stores, you can add multiple systems into Vista Pro 6 Client to monitor.

To add a new system to Vista Pro 6 Client:



1. Click the **Site** button (). The Site Setup window opens.

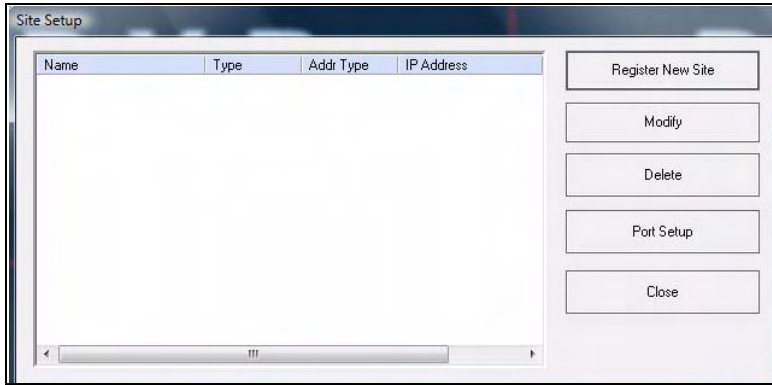


Figure 10.15 Site Setup window - Adding a new user.

2. Click **Register New Site**. A second Site Setup window opens.

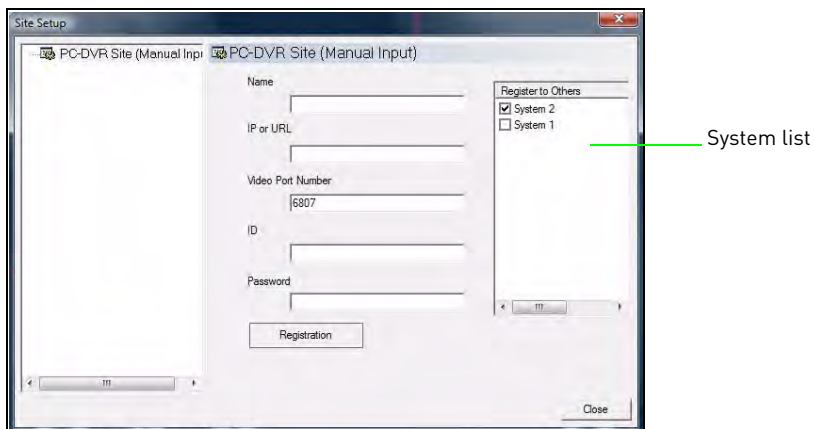


Figure 10.16 Site Setup window - Configuring user account settings.

3. Fill in the required blank fields:
 - **Name:** Enter the name of the system
 - **IP or URL:** Enter the DDNS address of the system in full (ie. tomsmith.lorexddns.net)
 - **Video Port Number:** Enter the Video Port Number. By default, the Video Port Number is **6807**
 - **ID:** Enter the ID name of the system. By default, the ID is **admin**
 - **Password:** Enter the password of the system. By default, the Password is **1111**
4. Under the Register to Others list on the right, select the users who can access the account.
5. Click **Close** to save your settings.

VIEWING MULTIPLE CHANNELS

- To view multiple channels, select the desired channel in the channel list near the top of the window.

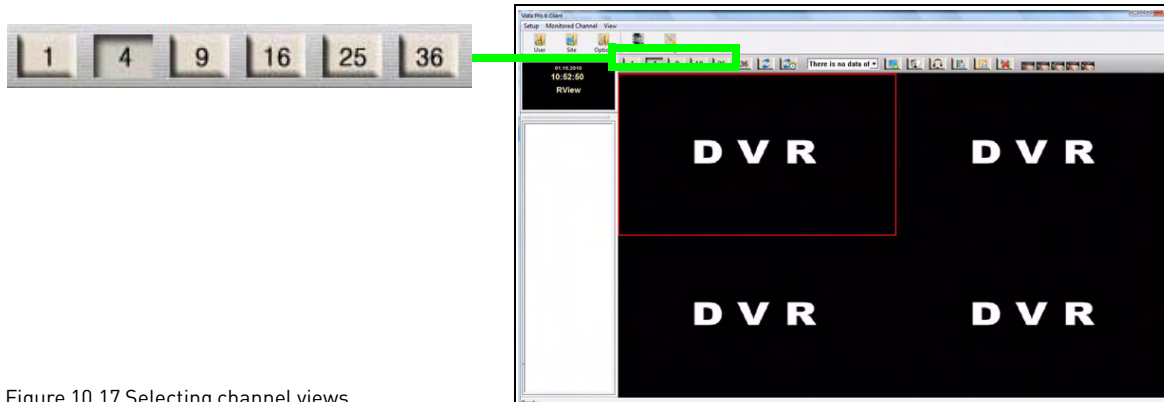



Figure 10.17 Selecting channel views.


ENABLING SCREEN ROTATION

You can have individual channels change locations by clicking the **Display Rotation** button () near the top of the window. Use this feature when you view video in a single channel mode, and wish to change channels quickly.

Auto-Sequencing

Auto-sequencing allows the channels to continually switch between channels.

To enable auto sequencing:

- Click the **Auto Sequence** button ().
- To set the duration of Auto-Sequencing, see "Configuring Vista Pro 6 Client Settings" on page 57. See listing number 5, "Auto Sequence Dwell Time".

APPENDIX A: VIEWING YOUR SYSTEM REMOTELY USING DDNS

You can connect to your system from a web browser by setting up a DDNS (Dynamic Domain Name Space) account with Lorex.

To connect to your system remotely using DDNS, there are five main steps:

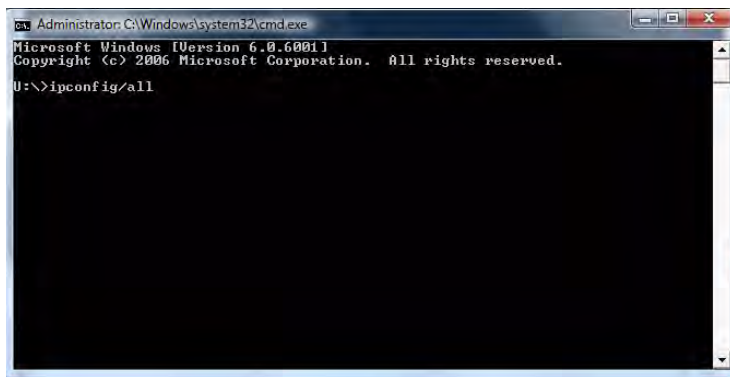
1. Obtain your computer's MAC address
2. Register for Lorex DDNS and enter in the MAC address during registration
3. Port forward the required ports
4. Enter in the DDNS address and system login information into your system
5. Enter the DDNS address name you obtained during DDNS registration into Internet Explorer

Step 1 of 5: Obtaining Your Computer's MAC Address

A MAC address is the physical address of your computer.

To obtain your computer's MAC address:

1. Click on the Start Menu > Run
2. Type in the Run window: **"cmd"** (without quotation marks). A command-prompt window opens.
3. Type into the command-prompt window: **"ipconfig/all"** (without quotation marks).

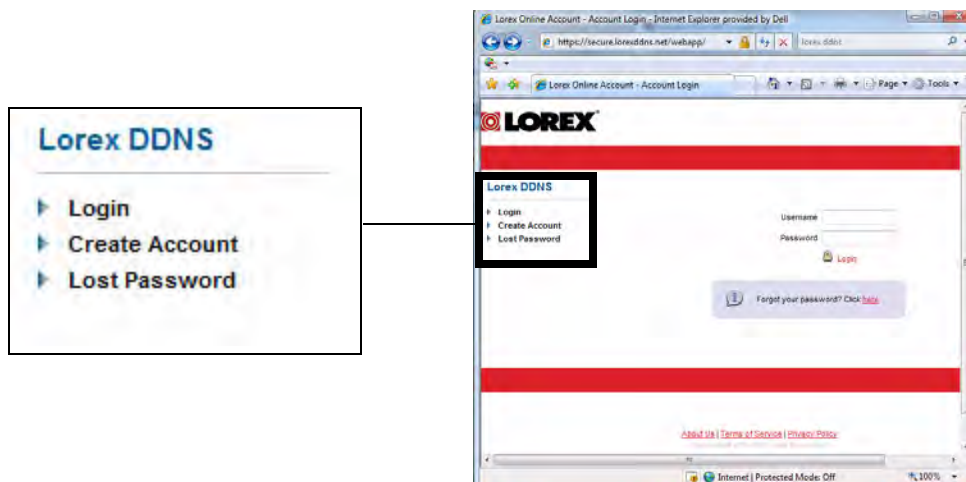


4. Press **Enter** on the keyboard. A list of networking information appears.
5. Under Ethernet adapter Local Area Connection, look for **Physical Address**.
 - Beside Physical Address, it lists the MAC address (A MAC address looks like this: 00-1B-99-DF-5F-18)
6. Write down the MAC address.

Step 2 of 5: Register for Lorex DDNS

A DDNS account allows you to set up a web site address that points back to your Local Network. The following outlines how to set up your free Lorex DDNS account.

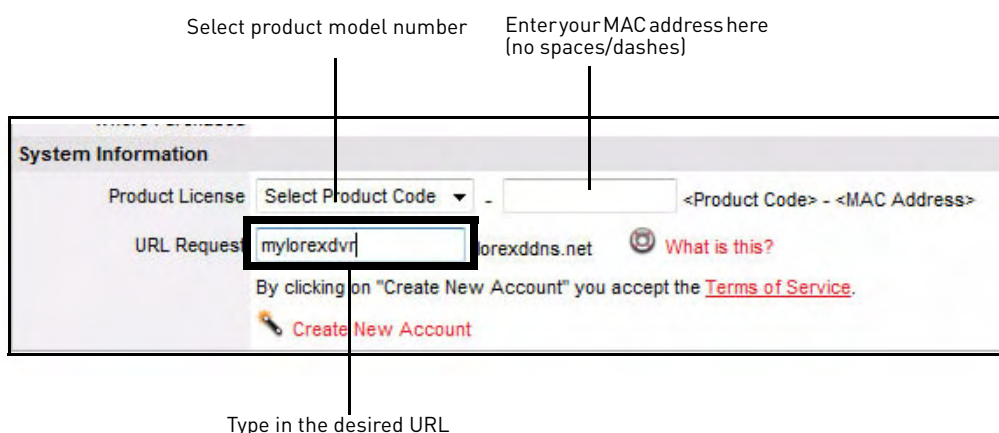
1. In your web browser, go to <https://secure.lorexddns.net/webapp/> and click **Create Account**.



2. Complete the Account Information fields with your personal information. Complete the Warranty Information with your purchase details (optional).

NOTE: Your account information, **user ID** and **password** will be sent to your e-mail address.

3. Under the System Information fields:
 - Select the model number of your system in the drop-down menu
 - Enter your MAC address (with no spaces or dashes)
 - Enter in a desired URL. In this example, the URL sub domain name is: **mylorexdrv**



4. Click **Create New Account** to complete the registration process.
 - Your account information and **user ID** will be sent to you at the e-mail address used in step 2.

Step 3 of 5: Port Forward

Port forwarding allows your computer to communicate with the remote computers connecting to it. You can use the included Lorex Auto Port Forwarding Wizard to port forward the desired ports. For details, see “Appendix B: Auto Port Forwarding Wizard” on page 70.

You must port forward the following ports on your router:

- **6807** (Live Port)
- **6808** (Playback Port)
- **6880** (Web Port)

EXAMPLE Port range					
Application	Start	End	Protocol	IP Address	Enable
qlr460	6800	to 6900	BOTH	192.168.1.12	<input checked="" type="checkbox"/>

Step 4 of 5: Enter your DDNS information into the system

You must enter your DDNS information into your system to enable remote viewing.

For details on entering DDNS information in your system, see “Configuring DDNS Settings” on page 35.

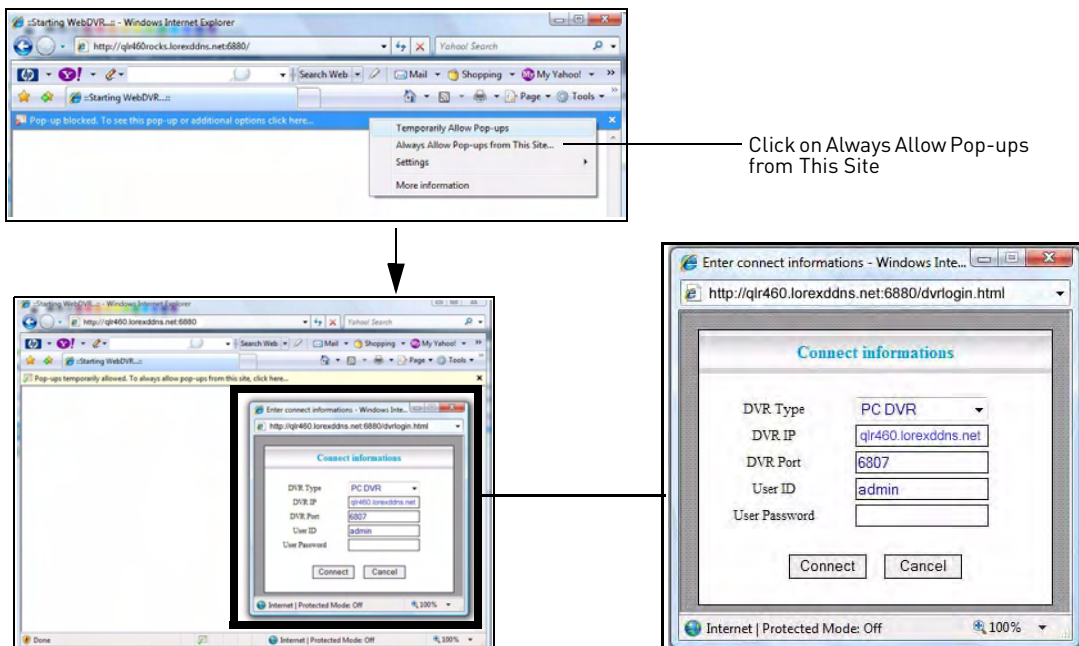
Step 5 of 5: Connect to your system using Internet Explorer

Once you have registered for Lorex DDNS and port forwarded the required ports, you are ready to connect to your system remotely.

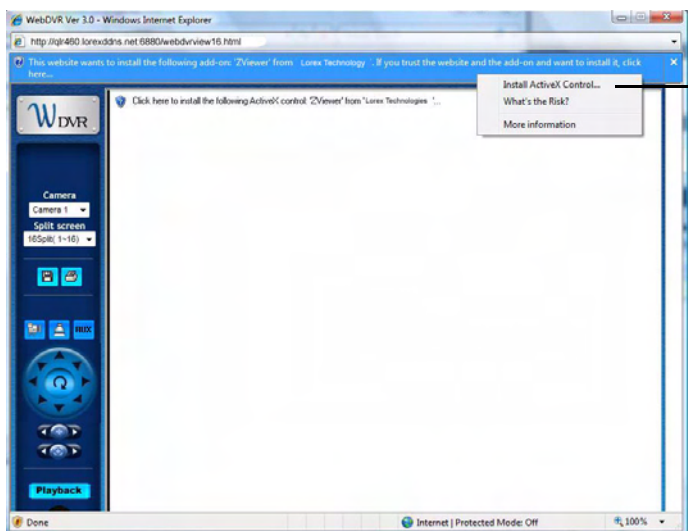
To connect to your system remotely using Internet Explorer:

1. Open Internet Explorer.
2. Enter your DDNS address you created earlier, followed by a semi-colon, and then the web port number. For example, you would enter: **mylorexdrv.lorexddns.net:6880**
3. Click on the pop-up banner, and then click on **Always Allow Pop-ups from This Site**.

NOTE: There is a semi-colon (:) right after the DDNS address.

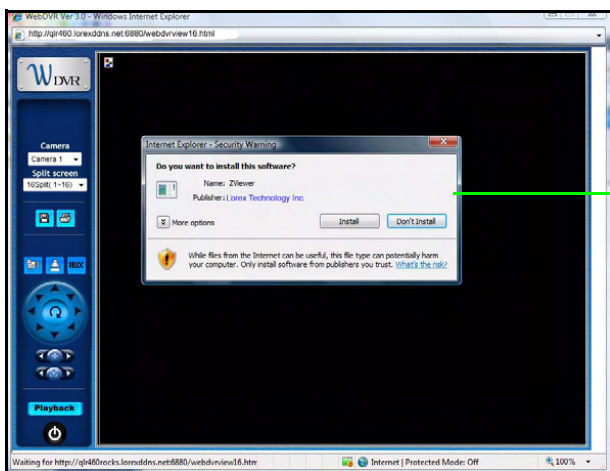


4. When the log-in window appears enter the following:
 - Under the DVR Type drop-down menu, select **PC DVR**
 - Under DVR IP, enter your DDNS address without the port number (i.e qlr460r.lorexddns.net)
 - Under User ID, enter the ID of your system (by default, **admin**)
 - Under User Password, enter the password of your system (by default, **1111**)
 - Click **Connect** to connect to your system. A new window opens that shows the DDNS remote login interface.



Click on Install ActiveX Control to continue.

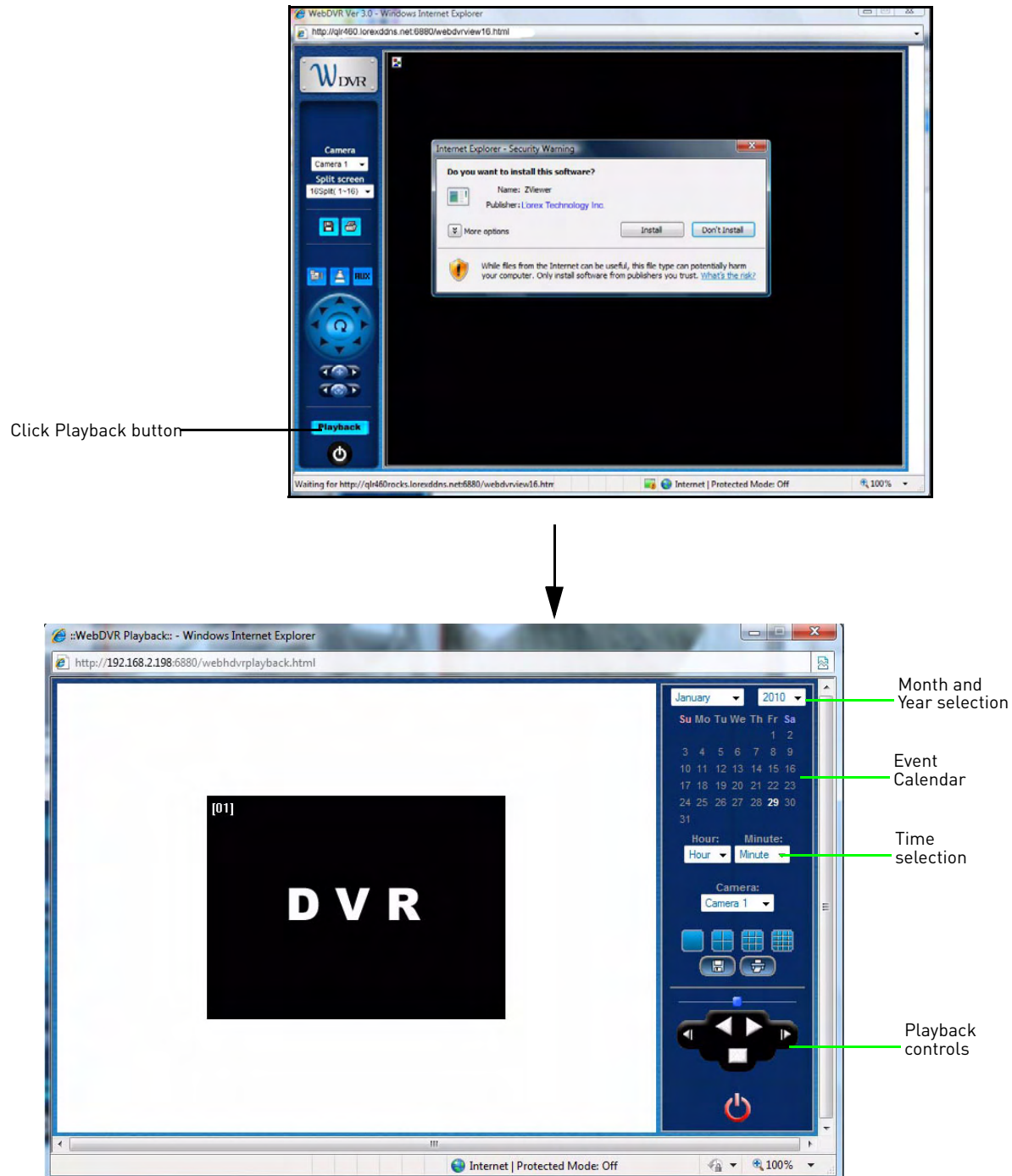
5. Click on the message bar near the top of the browser, and then click on **Install ActiveX Control**. A new remote viewer window opens.



Click Install

6. Click **Install** when the security pop-up appears. This installs the required software to start remote viewing on your web browser.
7. Once connected, select a camera under the Camera drop-down menu on the left sidebar. Under the Split Screen drop-down menu, select the number of channels you wish to display.

DDNS Viewing Interface



The Playback Window interface is similar to the Search mode in Vista Pro 6 Server. To view video, select the month, date, time, and camera to begin viewing video.

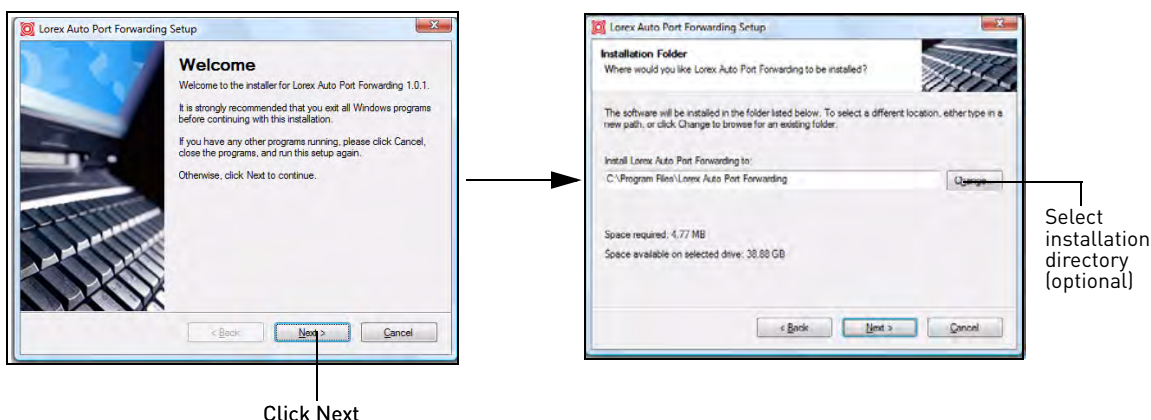
APPENDIX B: AUTO PORT FORWARDING WIZARD

The Lorex Auto Port Forwarding Wizard is an exclusive software that easily automates router port forwarding. Before setting up a DDNS account, it is recommended to run the Auto Port Forwarding Wizard to port forward the required ports.

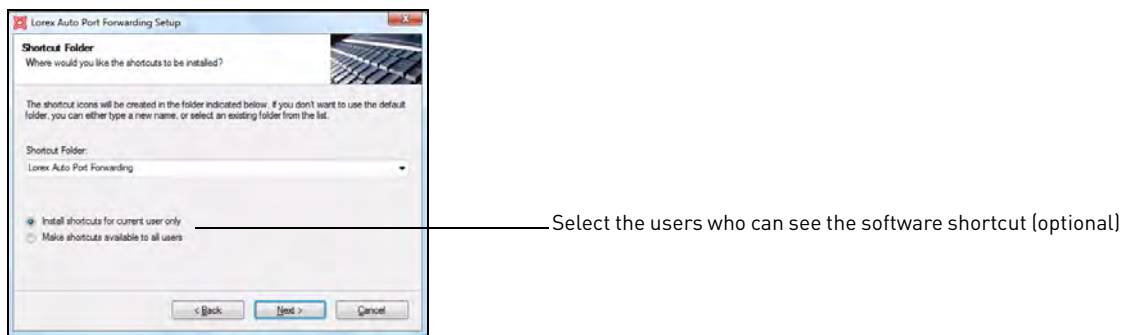
Installation

To install the Lorex Auto Port Forwarding Wizard:

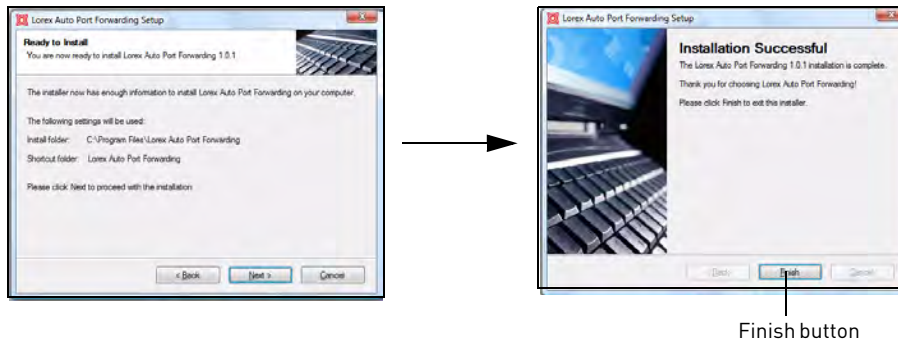
1. Insert the system's software CD, and follow the instructions to launch the Lorex Auto Port Forwarding Wizard software.
 - The installation window opens.
2. Click **Next** to continue.




3. Click the **Change** button to change the default installation directory (optional). Click the **Next** button to continue.
4. Select the users who can see the Auto Port Forwarding shortcut (Optional). Click the **Next** button to continue.



5. Click the **Next** button and then click **Finish** to complete the software installation.



6. Double-click the Lorex Auto Port Forwarding shortcut () from your desktop to start the program.

Obtaining Your Router Model Number and Version

On most routers, the model and version number can be found underneath the router, printed on a sticker.

Example

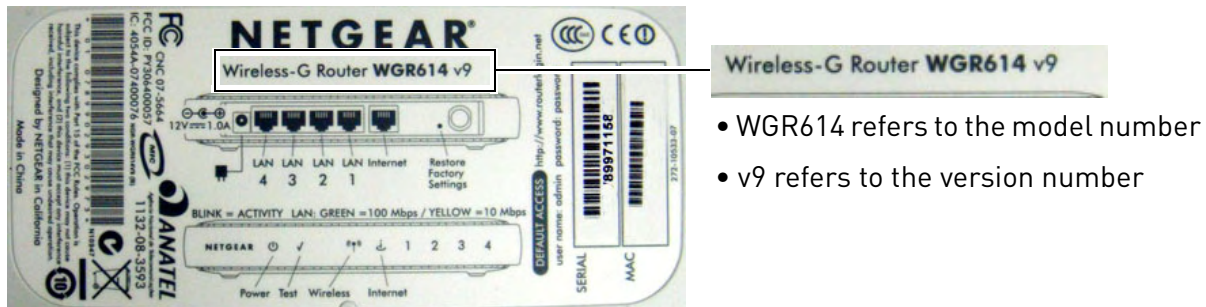


Figure 28.3 X Finding your router model and version.

Configuration

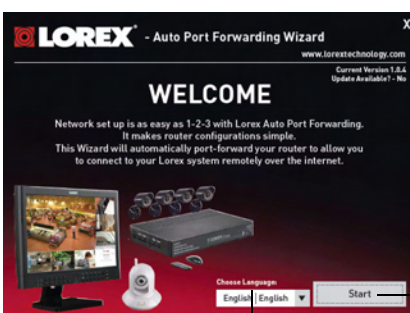


You must have the following before you configure the software:

1. Your router's model number and version number
2. Your router's user name and password
3. Your Lorex device's IP address
4. Your Lorex device's port numbers that require port forwarding

Initial Startup: Select language

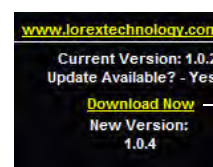
1. Click the Language drop-down menu and select a language (English, French, Spanish). Click the **Start** button to continue.



Software update section

Start button

Language drop-down menu



Download Now button

A software update includes an updated list of routers compatible with the Auto Port forwarding Wizard.

2. If software updates are available, click the **Download Now** button in the top-right corner.
 - Run the update file and install the latest version of the software.

Step 1: Populate the router database

The Auto Port Forwarding Wizard automatically populates a list of current routers, and detects the number of connected routers.

1. Click the **Next** button after the software detects your router configuration.



Click to update router database

Click to check for multiple routers




If more than one router is detected, you may need to contact your ISP (Internet Service Provider) to port forward.


For details on configuring multiple routers, see "Configuring multiple routers" on page 74.

Step 2: Enter your router settings

- Under the Router drop-down list, select the model of your router.

OR

- Click the **Search** button () to enter the name of your router model.

NOTE: Click the **Auto Detect** button () if you have a Linksys or Netgear router (works with most Linksys or Netgear models).



Router drop-down list


Router IP

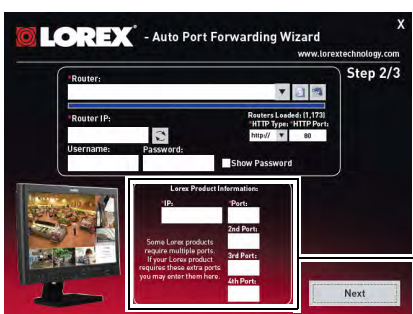
Router user name & password

Search and Auto detect button

Enter port **80** under Ports

Enter port **554** under 2nd Port

- Under Router IP, click the **Detect Router IP** button ().
 - The router's IP populates in the blank field. Click **OK** to exit the prompt.
- Under Username and Password, enter **the router's** username and password.
 - Optional: Under HTTP Type (default http://) and HTTP Port (default, 80), you may have to change the values depending on your router model. Consult your router manual for details.



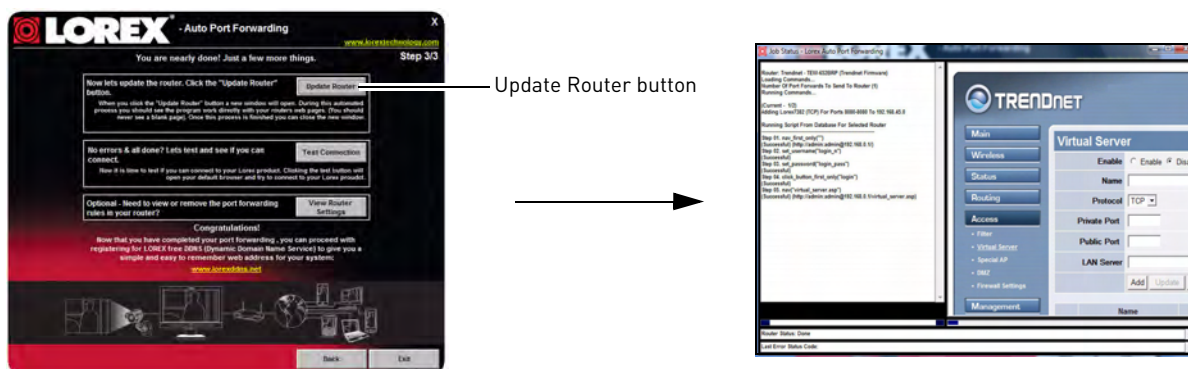
Enter your Lorex device's IP

Enter port number

- Under IP, enter the IP address of your Lorex device.
 - To find your system IP, exit to the main viewing mode, and then press the **INFO** button on your remote, or press the **RETURN** button on the front panel of the system.
- Under **Port**, enter the Web Port (**80**). Under **2nd Port**, enter the RTSP port (**554**).
- Click **Next** to continue.

Step 3: Update the router settings

- Click the **Update Router** button.
 - You will see your router window open. The Auto Port Forwarding Wizard automatically populates your router with the relevant information. This will take a few moments.



- Close the update window when the update finishes.

Step 4: Test your connection

- Click the **Test Your Connection** button.
 - Your system's default browser opens and connects to your **Lorex device**.

NOTE: Ensure that Internet Explorer is your system's default internet browser.


NOTE: A window opens that prompts you to enter in your **DVR's** user name and password (do not enter your DDNS log in information).

NOTE: ActiveX warnings may appear. Accept all ActiveX installation warnings to connect to your system.

Configuring multiple routers

Your network may have two or more connected routers. During the initial launch of the auto port forwarding wizard, the program scans the network to detect the number of connected routers.

To check for multiple routers:

- Click the **Detect Multiple Routers** button ().
 - A list of connected router populates in the window.



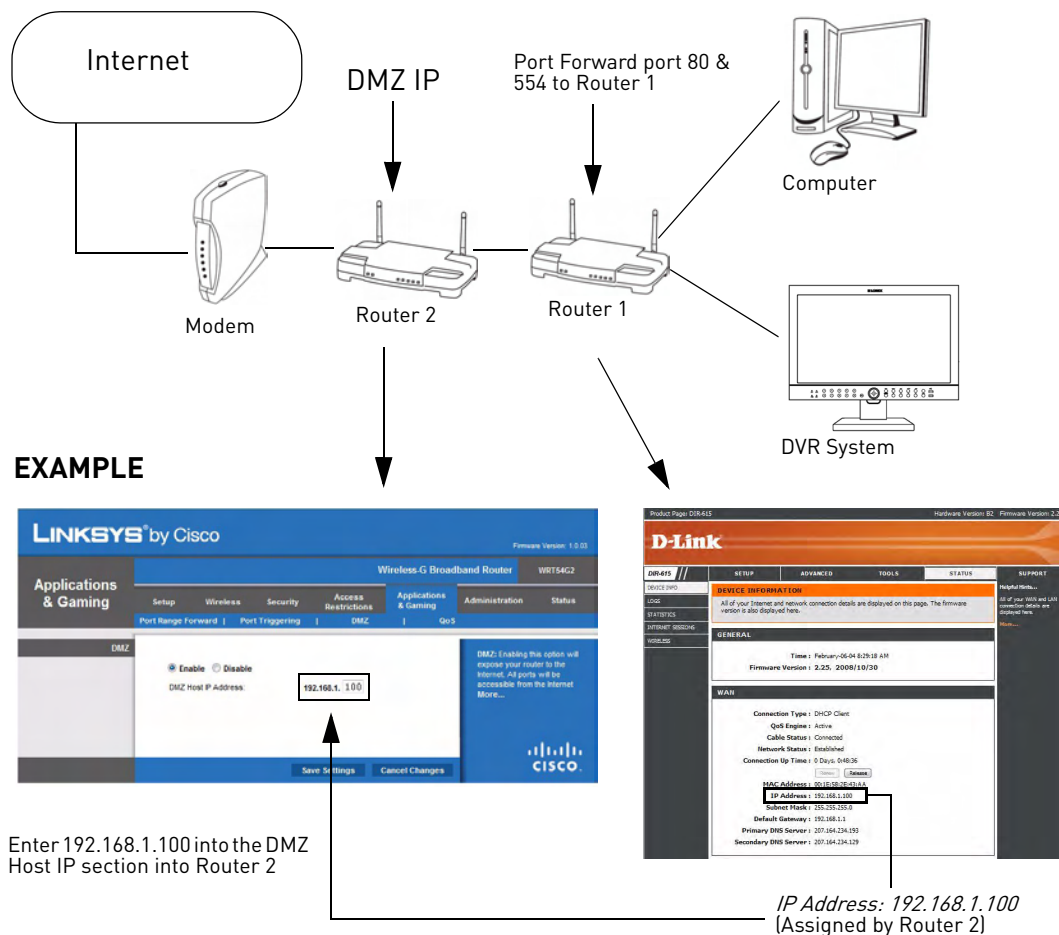
- The "Possible 1st Router" refers to the router directly connected to your system. This is the router that requires the port forward information.
- The "Possible 2nd Router" refers to the router immediate to the internet connection. This is the router that requires you to configure a DMZ host connection.

Scenario A: Router/Modem combination + Router

- You may have a router/modem combination, with a second router in your network.

Scenario B: Multiple Routers

- You may have two routers in your network.



In both scenarios, the router that is immediate to the internet connection (Router 2 in illustration) must act as a "bridge" to another router (Router 1 in illustration). The Auto Port Forwarding Wizard must connect to Router 1.

A proper DMZ configuration in Router 2 allows all incoming traffic going through Router 2 to automatically pass to Router 1. Router 2 acts as a "dummy" router and passes all the incoming data onto Router 1. Router 1 is the router that needs the port forwarding information.

Configuring a DMZ host connection

- Connect to "Router 1" on your network (referred to as "Possible 1st Router" in the Auto Port Forwarding Wizard). Obtain the IP address of Router 1. Usually this can be found in the "Status" section of your router menu. The IP should begin with "192.168...." This IP address is your DMZ IP.
- Enter the IP address obtained from Router 1 into the DMZ section of Router 2.
- Once you have configured Router 2 with a DMZ connection, run the Auto Port Forwarding Wizard to begin auto port forwarding to Router 1.
- Consult your router's owner's manual for details on configuring DMZ settings.

Example

DMZ stands for Demilitarized Zone. Enabling a DMZ IP on your router enables one of the routers to pass information onto the second router.

Figure 28.11 Entering DMZ information.

Locating your Router IP - The Status Page

The "Status Page" of a router normally includes the router's vital information such as the IP address.

EXAMPLE

The IP information is normally under a header called "WAN" or "Internet Port". Each router has different terminology.

Router IP assigned by the main router. Enter this IP into the DMZ section of the primary router.

APPENDIX C: WHAT IS DDNS?

DDNS stands for Dynamic Domain Name Service. DDNS allows you to connect to your system even if your IP address changes.

Your internet provider supplies you with an address called an IP address (Internet Protocol address). An IP address is the address to contact your computer. The IP address constantly changes. In other words, you have a dynamic IP address. An IP address that does not change is called a Static IP address. Static IP addresses often cost more money, and must be requested by the user.

How does DDNS work?

Hypothetically, if your friends' phone number changed every minute, it would be impossible to contact them. In this case, your friends' phone numbers would be dynamic: ever changing, and never the same.

IP addresses function in a similar way: the address constantly changes. If the address of your system constantly changes, how can you connect to your system? This is where DDNS solves the problem.

Imagine DDNS as a human telephone operator. If you wanted to contact your friend whose phone number changed every minute, you can tell the telephone operator your friend's home address. Because your friend's home address never changes, the telephone operator can tell you your friend's phone number, no matter how often their phone number changes.

Enabling DDNS

To enable DDNS, you must register with a DDNS provider. Lorex offers free DDNS service for certain products. Only specified systems are DDNS enabled.

A typical DDNS address may look like this: `mysystem.lorexddns.net`.

"mysystem" is the address name of the system chosen by you. You may re-name "mysystem" to any name you wish. For example, if you wanted to name your system: `my_lorex_system`, the DDNS address would be: `my_lorex_system.lorexddns.net`.

How DDNS benefits you

DDNS allows you to connect to your system even if your IP address changes. To access your system, simply enter in the DDNS name of your system into your web browser, or remote software application.

Since your DDNS address is static, you do not have to worry about your system's address constantly changing.

APPENDIX D: USING THE IMAGE ANALYST SOFTWARE

The Image Analysis software allows you to verify if images taken by the Vista Pro 6 software has been tampered with. This can be useful if you need to prove that the image you took with the Vista Pro 6 software is genuine.

Installing Image Analyst

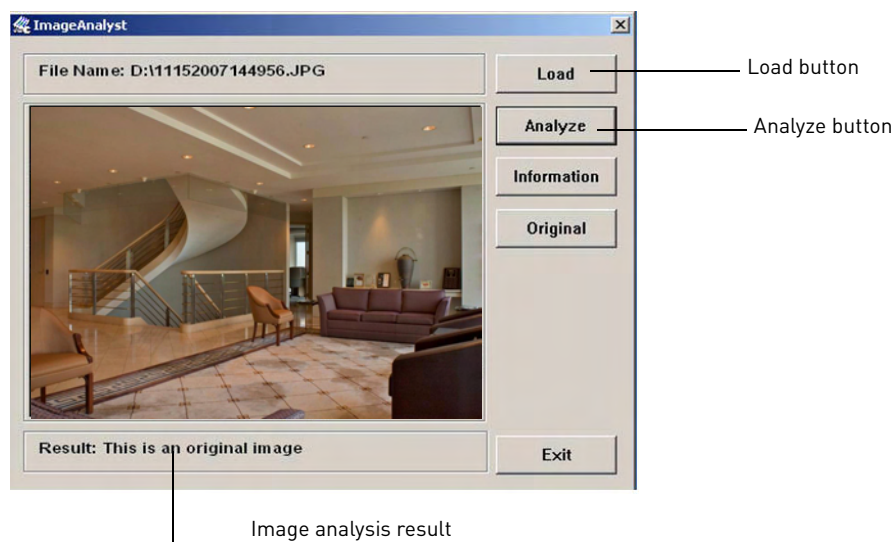
To install Image Analysis:

1. Insert the software CD into your CD/DVD drive.
2. In the Setup window, click Vista Pro 6 Software. Then Click on **Install>Advanced>Extras>Image Analysis>Setup.exe**
 - To manually browse the file, browse for **X:\extras\ImageAnalysis** , where X is your CD/DVD-Rom drive.
3. Double-click on **Setup** to install Image Analyst.
 - Once installed, the program shortcut can be found on your desktop , or in Programs list (Start Menu > All Programs).

Loading a file into Image Analyst

To load a JPG image into Image Analysis:

1. Click the **Load** button. Browse for the directory of where your image is located.
2. Click the **Analyze** button. A message appears on the bottom of the window to verify if the image has been tampered with.



- If the image is genuine, a message will read: **This is an original image.**
- if the image has been tampered, a message will read: **This is not an original image.**

APPENDIX E: USING BACKUP VIEWER

Backup Viewer is identical to the Vista Pro 6 Client search mode.

The Backup Viewer software automatically copies into your storage device when you back up video into your USB storage device, or onto a blank CD/DVD.

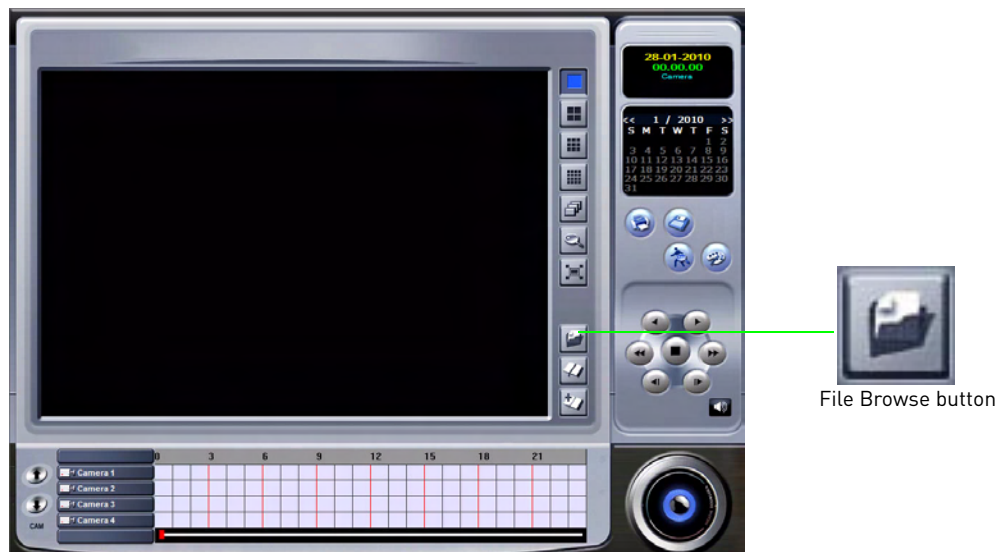
This allows you to play the proprietary video in a different machine. Simply install Backup Viewer, and use Backup Viewer to browse and play the video file.

Installing Backup Viewer

To manually install Backup Viewer:

1. Insert the software CD into your CD/DVD drive.
2. Browse for **X:\extras\BackupViewer**, where X is your CD/DVD drive.
3. Double-click on the **Setup** file. Follow the on-screen instructions to install the program.
4. Click on the Start Menu > All Programs>Backup View>Playback to open Backup Viewer.

Using Backup Viewer



Use the File Browse button to search for Scheduled Backup data, and Manual backup data.

To search for segments within the Backup Viewer, Select a date from the Event Calendar on the top-right corner of the window. Then click the timeline to select the time of the video.

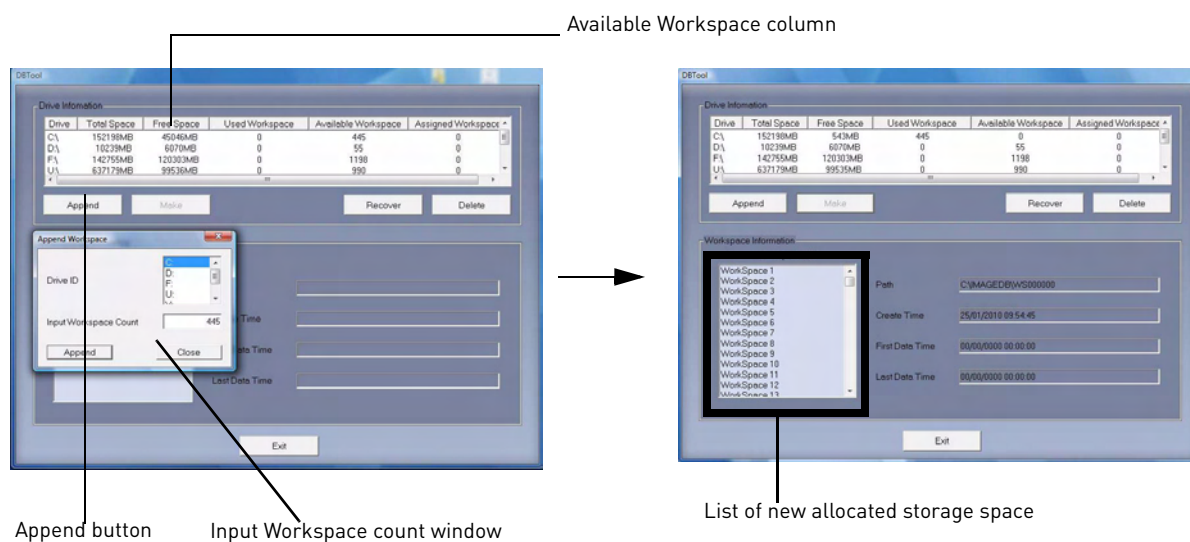
APPENDIX F: RE-ALLOCATING STORAGE SPACE

If you need to re-allocate storage space, you must use the Storage Management program to re-configure the storage space directory.

Installing Storage Management

To install Storage Management:

1. Insert the software CD into your CD/DVD reader.
2. Double-click the CD/DVD directory in your computer to open the main menu.
3. Click **VistaPro6 Software** in the startup splash screen.
4. Click **Install** then click **Advanced** and then click **Storage Management**. A login window opens.
5. In the login window, enter **admin** beside User ID; enter **1111** beside Password. The Storage Management window opens.



6. Under Drive Information, select the directory of your current storage directory. Click **Append**.
7. Beside Input Workspace Count, enter the amount of workspaces you wish to expand the storage directory. Look under the "Available Work Space" column to determine how many work spaces you can assign.

NOTE: Workspaces are 100MB (megabyte) chunks of data. This allows the system to efficiently handle large amounts of recorded data.

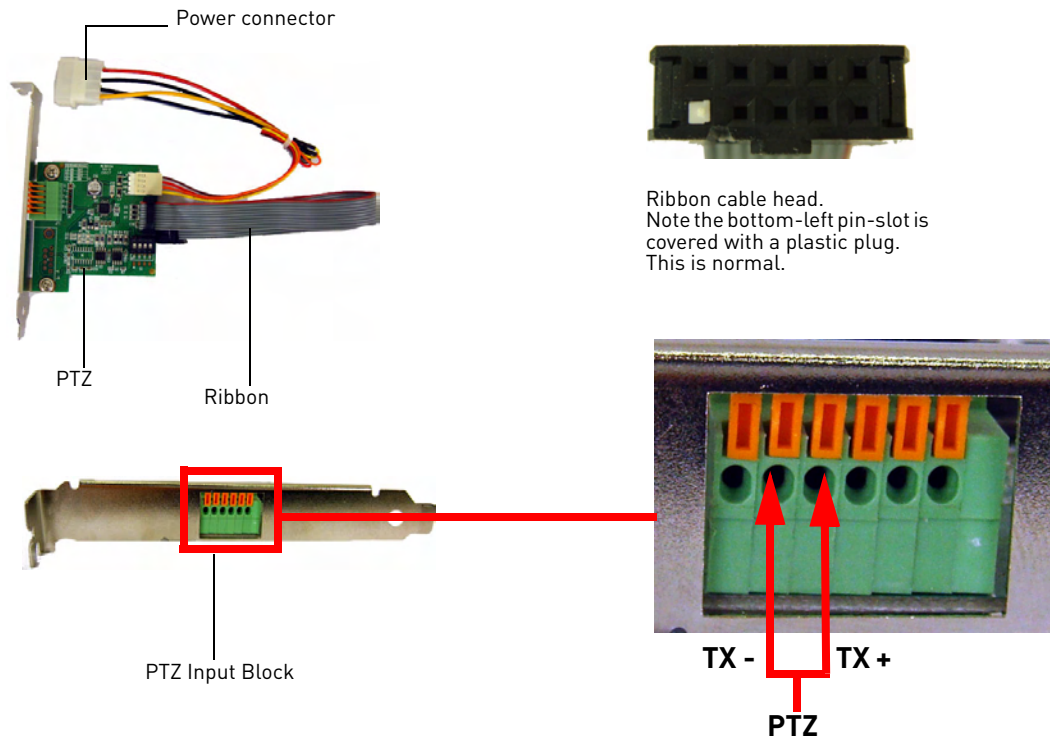
8. Click **Append**, and then click **Make** to add storage space to your existing storage directory.

NOTE:

There is a Recover button when you open Storage Management. The Recover function does not recover deleted data. The Recover function can only repair damaged or corrupted directories.

APPENDIX G: INSTALLING A PTZ CONTROLLER CARD

The PTZ Controller card is an optional add-on that allows you to install PTZ (Point, Tilt, Zoom) cameras. You must purchase the PTZ controller card, and a PTZ camera separately.



Installing the PTZ Drivers

- In the Software setup menu, click on **Install>Advanced>PTZ USB Drivers**



Installing the PTZ Card

To install the PTZ controller card into your motherboard, plug the ribbon cable head into the USB pin block in your motherboard. Tighten the card to the computer's chassis on the back. Refer to your motherboard user's manual to locate the location of the USB pin block.

APPENDIX H: QLR460 SPECIFICATIONS

Specifications	
Video Input	4Ch BNC, NTSC/PAL
Display Speed	30fps (4Ch)
Split Screen	1, 4
Recording Speed	30fps (4Ch) @ 320 x 240
Resolution	352 x 240 / 720 x 240
Recording Modes	Motion Detection, Motion, Continuous
Playback Display	1, 4
Search Modes	Data, Time, Channel, Event
Network Transmission Speed	Real-Time
Remote Viewer	Via client software
Dynamic IP Support	Yes
Supported O/S	Windows 2000/XP/Vista/7 (32-bit)



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This limited warranty gives you specific legal rights and you may also have other rights that vary from state to state.</p> <p>Obtaining Service</p> <p>In order to obtain service, please make sure that you have registered your product on-line (www.lorexctv.com) in the warranty registration section. Should the Product require service under this warranty, the Purchaser must provide LOrex with a copy of his/ her original, dated bill of sale; receipt or invoice, failing which LOrex will not perform any of its obligations under this warranty. If you return the Product and/or CD-ROM to LOrex, you must assume the risk of damage or loss during shipment. You must use the original packaging or the equivalent, and you must pay postage.</p> <p>To claim on this warranty, proceed with the following steps.</p> <ol style="list-style-type: none">1 Pack the Product in a well-padded sturdy carton.2. i). If the unit was purchased in the United States proceed as follows:<ol style="list-style-type: none">a. Please contact our customer service department to obtain a return authorization number.b. Return the unit to:<div>LOrex Returns c/o Russell Farrow 15 Lawrence Bell Drive, Amherst, NY 14221</div>ii). If the unit was purchased in Canada proceed as follows:<ol style="list-style-type: none">a. Please contact our customer service department to obtain a return authorization number.b. Return the unit to:<div>LOrex Service Center. 250 Royal Crest Court, Markham, Ont. L3R 3S1</div>iii) If the unit was purchased in Europe please visit:<div>www.lorexinternational.com for return instructions.</div> <div><div>TOLL FREE CUSTOMER SUPPORT North America: 1-888-42-LOREX (1-888-425-6739) Local: 905-940-5355 International: 800-42-LOREX 0 (800-425-67390) www.lorexctv.com</div><div>Always use discretion when installing video and/or audio surveillance equipment especially when there is perceived privacy. Inquire regarding federal, state and/or local regulations applicable to the lawful installation of video and or audio recording or surveillance. Party consent may be required.</div></div>	<p>GARANTIE LIMITEE DES PRODUITS LOREX</p> <p>LOrex garantit à l'acheteur original (ci-après désigné comme étant "l'acheteur") dans un magasin au détail seulement, et que ce produit (ci-après désigné comme étant le "produit"), s'il est installé correctement et - s'il y a lieu - utilisé conformément aux instructions ci-incluses, et le disque CD-ROM qui comporte le logiciel, seront libres de tout défaut de fabrication, tant dans les pièces que la main-d'œuvre, pourvu que le produit soit utilisé dans des conditions normales et installé et utilisé strictement selon les instructions incluses dans le guide qui l'accompagne.</p> <p>Cette garantie couvrira la période mentionnée ci-dessous (ci-après désignée comme étant la "période de garantie"), commençant le jour où l'acheteur se procure le produit à l'état neuf dans un magasin au détail.</p> <p><i>Pièces et main-d'oeuvre :</i> 1 année (<i>les pièces couvertes <u>n'incluent pas les ampoules, voyants à DEL ni les piles</u></i>).</p> <p>Les obligations de LOrex selon les termes de cette garantie se limitent exclusivement aux points suivants :</p> <ul style="list-style-type: none">• LOrex se réserve le droit de réparer ou de remplacer, sa seule discrétion, le logiciel et/ou le matériel.• Le remplacement des pièces sous garantie que LOrex estime être défectueuses dans le produit ou le disque CD-ROM ou, à sa seule discrétion, le remplacement du produit jugé défectueux.• Si LOrex ne peut réparer ni remplacer le produit ou le disque CD-ROM, rembourser la valeur monétaire du produit ou du disque CD-ROM en cours au moment de l'achat. <p>Toutes les pièces remplacées par LOrex seront couvertes pendant la période résiduelle de la garantie dudit produit.</p> <p>Exclusions de la garantie</p> <p>Pour obtenir du service, Veuillez vous assurer que vous avez inscrit votre produit en ligne (www.lorexctv.com) dans la section d'abonnement à la garantie. 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L'acheteur peut bénéficier de certains droits provinciaux ou fédéraux additionnels et toute clause de cette garantie qui soit prohibée par de telles lois sera jugée nulle et sans effet mais les autres clauses demeureront en vigueur.

Lorex ne garantit pas que ce logiciel fonctionnera conjointement avec tout autre logiciel ou suite logicielle, moins que cela ne soit indiqué. Lorex ne sera pas tenue responsable des caractéristiques ni des fonctions du matériel ou des logiciels d'un tiers pouvant entrer en conflit avec le fonctionnement du logiciel ci-inclus.

Toutes les garanties tacites ou explicites se limitent à la durée de la garantie limitée. Aucune garantie ne sera applicable après cette période de temps. Certains états ou provinces ne permettent pas de restrictions en ce qui a trait aux termes d'une garantie tacite, ni d'exclusions aux dommages-intérêts directs ou indirects et il se peut que ces restrictions ne s'appliquent pas à vous. Cette garantie donne à l'acheteur original des droits spécifiques et il se peut que d'autres droits, variant d'un état ou d'une province à l'autre, puissent lui être conférés.

Obtention du service

Si l'acheteur a besoin de service pour son produit, selon les termes de cette garantie limitée, il doit fournir à Lorex une copie de la facture d'achat affichant clairement la date et l'endroit où le produit a été acheté. Sans cette preuve d'achat, Lorex ne sera pas dans l'obligation de remplir ses obligations envers l'acheteur. Si vous retournez le produit et/ou le disque CD-ROM à Lorex, vous devez assumer le risque que ceux-ci soient endommagés ou perdus au cours de l'expédition. Vous devez emballer le produit dans sa boîte originale ou un emballage adéquat et vous devez défrayer les coûts d'expédition à l'une des adresses mentionnées ci-dessous.

Pour bénéficier du service sous garantie, vous devez suivre les étapes ci-dessous :

- Emballer le produit dans une boîte solide et remplie de matériau d'expédition.
- i) Si l'appareil a été acheté aux États-Unis, suivez ces étapes-ci :
 - Veillez contacter notre département de service à la clientèle pour obtenir un numéro d'autorisation pour le retour.
 - Retournez le produit à :

Lorex Returns
c/o Russell Farrow
15 Lawrence Bell Drive, Amherst, NY 14221
- Si l'appareil a été acheté au Canada, suivez ces étapes-ci :
 - Veillez contacter notre département de service à la clientèle pour obtenir un numéro d'autorisation pour le retour.
 - Retournez le produit à :

Lorex Customer Service
250 Royal Crest Court, Markham, ON L3R 3S1
- Si l'unité a été achetée dans Europe veuillez visiter : www.lorexinternational.com pour les instructions de retour

COMPOSEZ LA LIGNE D'ASSISTANCE SANS FRAIS AUS CONOMMATEURS:

L'Amérique du nord: 1-888-42-LOREX (1-888-425-6739)

Local : 905-940-5355

International : 800-42-LOREX 0 (800-425-67390)

Soyez toujours très discret lorsque vous installez des systèmes de surveillance, surtout dans les endroits plus retirés. Informez-vous au sujet des lois et règlements municipaux, provinciaux ou fédéraux qui s'appliquent à l'installation d'appareils de surveillance audio et vidéo. Il se peut que le consentement de la partie surveillée soit exigé.

GARANTIE LIMITADA DEL PRODUCTO LOREX

Lorex garantiza, sólo al comprador original al por menor (el "Comprador") que este artículo (el "Producto"), si se usa e instala debidamente, y – si hay lugar – el CD-ROM en el que se proporciona el software asociado, está libre de defectos de fabricación en materiales y mano de obra, sujeto a que el Producto sea usado en condiciones normales y que sea instalado y usado estrictamente de acuerdo con las instrucciones contenidas.

Esta garantía será para los siguientes periodos de garantía (el "Período de Garantía"), a partir de la fecha en que el Comprador adquiere el Producto al por menor en la condición de no haber sido usado previamente.

Repuestos y Mano de Obra: 1 año (Las piezas garantizadas no incluyen bombillas, LEDs y baterías)

Las obligaciones de Lorex bajo esta garantía estarán limitadas a:

- la reparación o el reemplazo del producto por medio de hardware y/o software (a opción de Lorex).
- el reemplazo de cualquier parte garantizada que Lorex determine que está defectuosa en el Producto o CD-ROM o, por decisión única de Lorex, al reemplazo del Producto que Lorex encuentre defectuoso.
- Si a Lorex no le es posible reparar o reemplazar el Producto o el CD-ROM, se devolverá el valor vigente en ese momento del Producto o CD-ROM.

Se garantizará al Comprador cualquier pieza de repuesto provista por Lorex en conexión con esta garantía por un período igual a la compra no vencida del Período de Garantía del Producto.

Exclusiones de la garantía

Esta garantía no se aplica a las bombillas, LEDs y baterías suministradas con el producto o que formen parte del mismo.

Esta garantía quedará nula si se han usado accesorios que no son Lorex en el Producto o en relación con el mismo o si se hace alguna modificación o reparación al Producto en algún taller que no sea un local de servicio autorizado por Lorex.

Esta garantía no se aplica a defectos o daños resultantes del uso del producto en condiciones diferentes a las normales (incluyendo condiciones atmosféricas o de humedad normales) o por la instalación o uso del Producto en forma distinta a seguir estrictamente las instrucciones contenidas en el Manual del Propietario del Producto.

Exclusiones de la garantía

Esta garantía no se aplica a las bombillas, LEDs y baterías suministradas con el producto o que formen parte del mismo.

Esta garantía quedará nula si se han usado accesorios que no son Lorex en el Producto o en relación con el mismo o si se hace alguna modificación o reparación al Producto en algún taller que no sea un local de servicio autorizado por Lorex.

Esta garantía no se aplica a defectos o daños resultantes del uso del producto en condiciones diferentes a las normales (incluyendo condiciones atmosféricas o de humedad normales) o por la instalación o uso del Producto en forma distinta a seguir estrictamente las instrucciones contenidas en el Manual del Propietario del Producto.

Esta garantía no se aplica a defectos o daños al Producto causados por (i) uso negligente del Producto, (ii) mal uso, abuso, negligencia, alteración, reparación o instalación incorrecta del Producto, (iii) cortocircuitos o corrientes eléctricas transitorias, (iv) uso por el Comprador que no está de acuerdo con la instalación del producto, (v) uso de piezas de repuesto no suplidas por Lorex (vi) inadecuado mantenimiento del Producto, o (vii) accidente, incendio, inundación u otros accidentes naturales.

Esta garantía no cubre el rendimiento o funcionalidad de ningún software de computadora incluido en el paquete con el Producto. Esta garantía sólo cubre defectos en el material de CD-ROM, tal como roturas o defectos en el CD-ROM que impida que sea leído por la unidad de CD-ROM de su computadora personal. Lorex no garantiza que el software provisto con el Producto funcione sin interrupción o que de otra forma esté libre de anomalías, errores o "bugs". Lorex no ofrece ninguna garantía con respecto a algún software provisto con el equipo a menos que específicamente se establezca de otra forma en un acuerdo de licencia que acompañe a dicho software.

Esta garantía no cubre ningún costo relativo a la remoción o reemplazo de algún Producto, CD-ROM, o software instalado en su computadora.

Lorex se reserva el derecho de hacer cambios en el diseño o hacer adiciones o mejoras a sus productos sin incurrir en ninguna obligación de modificar algún producto que ya haya sido fabricado.

Lorex tratará en lo posible de proporcionar actualizaciones y arreglos a su software por medio de su página en la red.

Esta garantía no cubre ninguna alteración ni daño a algún otro software que pueda ser instalado o pueda quedar instalado en el sistema del usuario como resultado de la instalación del software provisto.

Esta garantía es el reemplazo de otras garantías, expresas o implícitas, y Lorex no asume ni autoriza a ninguna persona a asumir por ella ninguna obligación en relación con la venta o servicio del producto. En ningún caso Lorex será responsable por ningún daño o perjuicio especial o consecuencia resultante del uso del Producto o de su mal funcionamiento o incapacidad de funcionar, o por cualquier demora en la atención de esta garantía debida a causas fuera de su control.

Esta garantía no se aplicará a la apariencia o artículos accesorios incluyendo, sin estar limitado a ellos, gabinetes, piezas de gabinetes, perillas, etc., y el desmontaje, instalación, configuración, o remoción y reinstalación del producto después de ser reparado.

Lorex no hace ninguna de cada declaración ni garantía de ninguna clase con respecto al potencial, capacidad o eficacia del Producto para evitar, minimizar o en alguna forma atectar a los daños o lesiones personales o a la propiedad. Lorex no es responsable por ningún daño personal, siniestro o robo relacionado con el Producto o a su uso para cualquier daño, sea físico o mental relacionado con el mismo. Cualequier afirmación o declaración, sea escrita o verbal, hecha por vendedores, minoristas o distribuidores en sentido contrario no es autorizada por Lorex y no afecta esta disposición de esta garantía.

La responsabilidad de Lorex según esta o cualquier otra garantía, implícita o explícita, está limitada a la reparación, reemplazo o reembolso, como se establece anteriormente. Estas compensaciones son el único y exclusivo remedio por cualquier incumplimiento de garantía. Lorex no es responsable por daños y perjuicios directos, especiales, incidentes, o consecuentes resultantes de algún incumplimiento de garantía o bajo cualquier otra teoría legal, incluyendo pero sin estar limitada a: pérdida de utilidades, paralización, plusvalía, daños o reemplazo de equipos y propiedad y cualquier costo de recuperar, reprogramar o reproducir cualquier programa o datos almacenados o usados con un sistema que contenga el CD-ROM del Producto o el software que lo acompaña.

Lorex no garantiza que el software operará con ningún otro software excepto con el que se indica. Lorex no puede ser responsable de las características de hardware o software de terceras personas que puedan atectar la operación del software incluido.

El comprador puede tener otros derechos de acuerdo con las leyes federales, provinciales o estatales y cuando toda esta garantía o parte de la misma sea prohibida por dichas leyes, será considerada nula, pero el resto de la garantía permanecerá vigente.

Todas las garantías expresadas e implícitas están limitadas en duración al periodo de garantía limitada. Ninguna garantía se aplicará después de dicho periodo. Algunos estados no permiten limitación a la duración de una garantía implícita, de modo que esta limitación puede no serie de aplicación. Algunos estados no permiten la exclusión o limitación de daños y perjuicios incidentes o consecuentes, por lo que la garantía anterior puede no serie de aplicación. Esta garantía limitada le otorga derechos legales específicos y usted puede también tener otros derechos que varía de un estado a otro.

Cómo obtener servicio

Con el fin de obtener servicio, por favor asegúrese de registrar haber registrado su producto en nuestra página web www.lorexctv.com en la sección de registro de garantía. Si el Producto necesitase servicio bajo esta garantía, el Comprador debe hacer llegar a Lorex una copia del recibo o factura de compra, con su fecha respectiva, sin lo cual Lorex no estará obligada a cumplir con ninguna de sus obligaciones bajo esta garantía. Si devuelve el Producto y/o el CD-ROM a Lorex, debe usted asumir el riesgo de daño o pérdida durante el envío. Debe usar el envase original o equivalente y debe pagar el flete.

Para hacer un reclamo bajo esta garantía, proceda con los siguientes pasos.

- Empaque el Producto en una caja robusta bien acolchada.
- i). Si la unidad fue comprada en Estados Unidos proceda en la siguiente forma:
 - Para devoluciones por favor contacte nuestro departamento de servicio para obtener un número de autorización
 - Devuelva la unidad a:

Lorex Returns
c/o Russell Farrow
15 Lawrence Bell Drive, Amherst, NY 14221
- ii). Si la unidad fue comprada en Canadá proceda en la siguiente forma:
 - Para devoluciones por favor contacte nuestro departamento de servicio para obtener un número de autorización.
 - Devuelva la unidad a:

Lorex Customer Service,
250 Royal Crest Court, Markham, Ont. L3R 3S1
- iii) Si la unidad fue adquirida en Europa y desea devolver el producto por favor visite:
www.lorexinternational.com para obtener instrucciones.

NUMERO GRATUITO DE SERVICIO A CLIENTES:

Norteamérica: 1-888-42-LOREX (1-888-425-6739)

Internacional: 800-42-LOREX 0 (800-425-67390)

Local : 905-940-5355

www.lorexctv.com

Use siempre discreción cuando instale equipo de vigilancia por video y/o audio especialmente cuando se percibe privacidad. Consulte acerca de las regulaciones federales, estatales y /o locales aplicables a la instalación legal de equipos de grabación o vigilancia por video y/o audio. Puede requerirse el consentimiento de las partes.

CONNECT . PROTECT



Enhance your security with genuine Lorex Cameras, Digital Video Recorders, Integrated Systems and Accessories. Order whatever you need at www.lorextechnology.com or call 1-888-42-LOREX (1-888-425-6739)

Warehouse



CVC6998HR

Office



LNZ4001

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VQ1536HR

Convenience Store



LW2100

Day Care



LW2702

PROTECT EVERYTHING THAT MATTERS

Add wired or wireless cameras to expand the "Envelope of Protection" for your business, your home and your family

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LW2002B

Drive Way



SG7540

Front Door



LW2301

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LW2002W

Backyard



LW2201